Project No: 5100
Project Name: Skate Park Feasibility Study

AMENDMENT No. 1 TO AGREEMENT
FOR CONSULTATION AND OTHER SERVICES

This Amendment is entered into this 3rd day of March, 2015, by and between the City of Milpitas, a municipal corporation of the State of California (hereafter referred to as "CITY") and Stantec Consulting Services, Inc., a California Corporation (hereafter referred to as "CONSULTANT").

RECITALS

WHEREAS, the parties entered into an agreement for professional engineering services for Skate Park Feasibility Study Project No. 5100 on August 27, 2014 in the amount of nineteen thousand four hundred ninety nine dollars ($19,499) (“Agreement”); and

WHEREAS, the parties desire to amend the Agreement to increase the compensation for additional professional engineering services.

NOW THEREFORE, in consideration of the mutual covenants and conditions herein contained, the parties agree to amend the Agreement as follows:

1. The Agreement is amended to include the additional scope of services set forth in Exhibit "**A-1**", which is attached hereto and incorporated by reference herein.

2. The Agreement is amended to include the additional compensation set forth in Exhibit "**B-1**", which is attached hereto and incorporated by reference herein.

3. Section 2 of the Agreement entitled “Compensation” is amended in its entirety to read as follows:

> “COMPENSATION. City hereby agrees to pay Consultant a guaranteed maximum price not to exceed twenty four thousand four hundred ninety nine dollars ($24,499.00) for all services to be performed including reimbursable costs and contingency incurred under this Agreement. Consultant shall not proceed with any work to be billed toward the contingency without written approval by the City. City shall pay Consultant for services rendered pursuant to this Agreement at the time and in the manner set forth herein. The payments specified below shall be the only payments from City to Consultant for services rendered pursuant to this Agreement. Consultant shall submit all invoices to City in the manner specified herein. Except as specifically authorized by City, Consultant shall not bill City for duplicate services performed by more than one person. Consultant and City acknowledge and agree that compensation paid by City to Consultant under this Agreement is based upon Consultant's estimated costs of providing the services required hereunder, including salaries and benefits of employees and

subcontractors of Consultant. Hourly rates for personnel performing services shall be as shown in Exhibit B and Exhibit B-1. Consequently, the parties further agree that compensation hereunder is intended to include the costs of contributions to any pensions and/or annuities to which Consultant and its employees, agents, and subcontractors may be eligible. City therefore has no responsibility for such contributions beyond compensation required under this Agreement."

4. The Consultant agrees to maintain and pay for all insurance policies as stated in Section 4, entitled "Insurance Requirements" of the Agreement dated August 27, 2014, between **Stantec Consulting Services, Inc.** and the City of Milpitas. The Consultant shall provide the City with renewal certificates of the current policies upon the expiration of the current policy.

5. All other provisions of the Agreement shall remain in full force and effect.

This Amendment is executed as of the date written on Page 1.

APPROVED BY:

CITY OF MILPITAS

_____
Thomas C. Williams, City Manager

CONSULTANT

_____
Name, Title

Corporate Entity Number:

C3259819

APPROVED AS CONTENT:

_____
Steven Machida, Acting Public Works Director/
City Engineer

APPROVED AS TO FORM:

_____
Michael J. Ogaz, City Attorney

EXHIBIT A-1

ADDITIONAL SCOPE OF WORK

SKATE PARK FEASIBILITY STUDY

General:

The original Agreement included identification of the preferred skate park location upon evaluation criteria and community input on skate park design preferences. The Feasibility study reflects locating and defining a proposed 20,000 Square Feet custom concrete skate park with design direction gathered from community input. Additional work includes concept design for sports field fencing including cost estimate, and preparation and presentation of a summary of the Skate Park Feasibility Study to City Council. This additional work will be included in Task 2 of the Agreement.

Task 2: Schematic Design & Feasibility Study

2.7 Sports Field Information

- Prepare a conceptual design for fencing around the proposed sports fields.
- Prepare rough order of magnitude cost estimate for construction of the proposed sports fields adjacent to the proposed skate park site.

Deliverables:

- Conceptual design for fencing around proposed sports fields
- Cost estimate for construction of the proposed sports fields

2.8 City Council Meeting Presentation

- Assist City staff in preparation of power point presentation for City Council meeting
- Attend City Council meeting and present power point presentation.
- Assist City Staff with responding to questions at the Council meeting

Deliverables:

- Power point presentation to City Council.
- Attend City Council meeting.

EXHIBIT B-1

COMPENSATION

SKATE PARK FEASIBILITY STUDY

Task 2: Schematic Design & Feasibility Study

2.7 Sports Field Information

Fee estimate	$1,398.00

2.8 City Council Meeting Presentation

Fee Estimate	$1,608.00
Reimbursable Estimate	$1,000.00
Contingency*	$ 994.00
Total	**$5,000.00**

Note: Fees are based on time and materials not-to-exceed.

*** Use of the contingency must be authorized in writing before proceeding with any work.**

Milpitas

Skate Park Feasibility Study

March 2015

DRAFT

Stantec


BUILDING
SEWER-BOX
GATE
BATTING CAGE
BENCH
PLANTER
SIGNS
LAMP
DIRT DRIVEWAY
BOLLARD
BOLLARD
66
64
62

Table of Contents

1.0

BACKGROUND

Background

In September of 2014 Stantec was hired by the City of Milpitas to study the feasibility of having a skate park. The purpose of this study is to look at the pros and cons of having a skate park at different locations to see if it is feasible to have a skate park within the city of Milpitas.

There are currently no skate parks in the City of Milpitas although there have been a few in the past that have all closed down. There are some residents advocating for a skate park to provide a place for their kids to recreate safely with their skateboards. There is also a concern about finding a location that has minimal impact to a site and to nearby residents to minimize conflicts.

In this study we were tasked to identify the most appropriate location for the proposed facility and in-depth site selection process that included two community input meetings on the preferred locations was completed.

This study highlights the process followed to determine the pros and cons of having a skate park at each site, gives an overview of the public consultation that took place, examines the eight potential sites and outlines the rationale for the ultimate conclusion and subsequent recommendation for the final skate park location. The exact location, size and shape of the skate park on the recommended site will be determined during the design phase of the process.


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2.0

INTRODUCTION

Introduction

In the process of this feasibility study our tasks were to review the proposed park locations, identify and evaluate design issues, create a design program that meets the project goals and objectives and establish an initial estimate of probable cost. An overall vision for the skate park and a detailed concept plan have resulted based upon input provided by users and residents. To obtain this input, two community meetings with clients, users, and residents were held.

Two public meetings were conducted in which concept designs for the recommended location were reviewed and revised to meet the desired functionality and aesthetics of the proposed site.

The proposed skate park will meet the identified objective of being suitable for all ages and skill levels. The skate park will also meet the needs of less active visitors by providing seating/viewing areas and pedestrian pathways.

The process to determine the feasibility for a potential skate park in the City of Milpitas is as follows:

- Analyze potential sites and the opportunities and challenges for a skate park
- Conduct public input meetings
- Gather surveys and information
- Provide Skate Park examples and costs
- Provide recommendations and a schematic design for the selected potential site


SOUTH
WELCOME
WELCOM

3.0

SITE SELECTION CRITERIA OVERVIEW

Site Selection Criteria Overview

By examining the potential sites for the skate park location our staff developed site selection criteria considerations to qualitatively evaluate potential sites and to identify optimal locations in Milpitas. It is recognized that there may not be a site that fully satisfies all elements of the criteria and meets all user and community expectations.

This is an inherent challenge in planning for skate parks and this study strives to recommend locations that balance competing interests. The site selection criteria addressing four key themes:

Location

- Potential users: Should be located within an area of high demographics for potential users
- Surrounding environment: Should not occupy/eliminate the only park space in a community
- Proximity to residential areas: Should be sufficient setback from a new skate park to the nearest adjacent residences

Physical Site Conditions

- Achievable skate park area: Site should be large enough that introducing a skate park would not negatively affect the existing activities already occurring at that location.
- Topography: Should have minimum construction implications
- Vegetation: Should provide shade and possible drainage opportunities

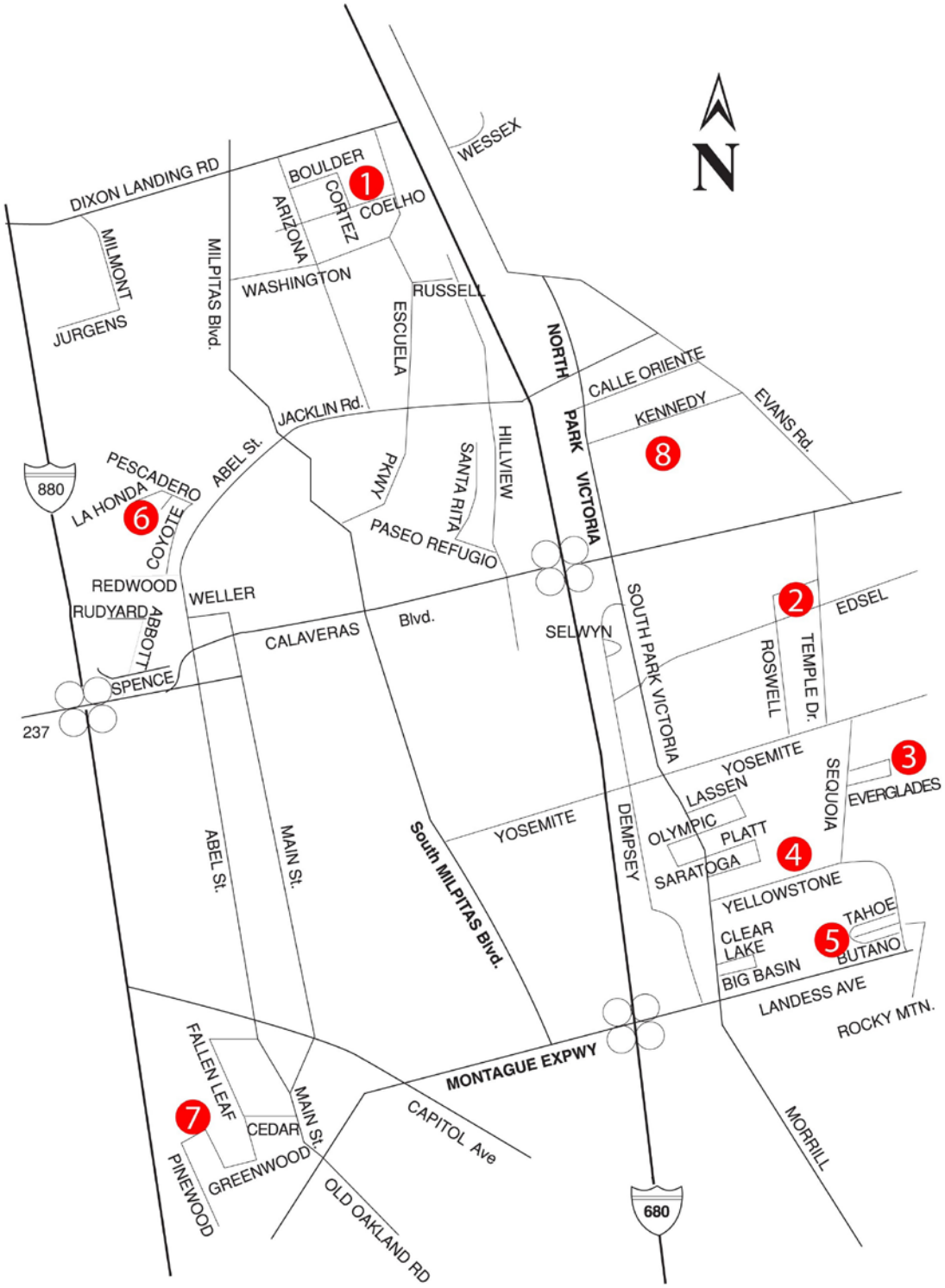
Access & Security

- Public transportation: Should be accessible by public transportation
- Pedestrian access: Should have pedestrian connections
- Parking: Should have adequate parking available
- Visibility and surveillance: Should be visible from street

Supporting Infrastructure

- Washrooms, drinking water, food, lighting, shelter: Should have surrounding amenities to support users

When assessing to what degree a site fulfills the components of the site selection criteria, consideration must be given to achieving an appropriate balance. For example, when considering the visibility of a site, it is desirable to achieve the correct balance between high visibility of the skate park for reasons of safety and security, while achieving the correct level of privacy, comfort and security for local residents, businesses and community organizations. The proximity of the skate park to supporting infrastructure and facilities, especially staff supported facilities, also requires deliberation. It is advantageous to have the skate park close to the facilities for the safety and convenience of skate park users, but it is also important to maintain a suitable distance from a city facility so that skate park users are encouraged to a develop an appropriate level of responsibility for the cooperative use of the skate park between users of different ages and skill levels.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DIXON LANDING RD
MILMONT
JURGENS
MILPITAS Blvd.
BOULDER
CORTEZ
ARIZONA
COELHO
WESSEX
WASHINGTON
RUSSELL
ESCUELA
NORTH
PARK VICTORIA
CALLE ORIENTE
KENNEDY
EVANS Rd.
JACKLIN Rd.
HILLVIEW
SANTA RITA
PKWY
PESCADERO
ABEL St.
880
LA HONDA
COYOTE
PASEO REFUGIO
REDWOOD
RUDYARD
ABBOTT
WELLER
CALAVERAS
Blvd.
SELWYN
SOUTH PARK VICTORIA
EDSEL
ROSWELL
TEMPLE Dr.
SPENCE
237
YOSEMITE
LASSEN
SEQUOIA
EVERGLADES
OLYMPIC
PLATT
SARATOGA
DEMPSEY
South MILPITAS Blvd.
ABEL St.
MAIN St.
YELLOWSTONE
CLEAR LAKE
TAHOE
BUTANO
BIG BASIN
LANDESS AVE
ROCKY MTN.
MONTAGUE EXPWY
FALLEN LEAF
CEDAR
GREENWOOD
PINEWOOD
MAIN St.
CAPITOL Ave
OLD OAKLAND RD
MORRILL
680


1 ALBERT AUGUSTINE JR. MEMORIAL PARK
Tot Lot
Tot Lot
Coelho


2 FOOTHILL PARK
Roswell Dr.
Tot Lot
Holly Way
Lomer Way
S. Temple Dr.


3 BEN ROGERS PARK
Tot Lot


4 MURPHY PARK
Tot Lot
ROBERT E. BROWN PARK


5 SINNOTT PARK
Fitness Cluster
Tahoe Dr.
Rocky Mountain Ave
Clear Lake Ave.
Tot Lot
Butano Ave.


6 HALL MEMORIAL PARK
Hall Lagoon
La Honda Ave.


7 PINEWOOD PARK
Woodland Way
Evergreen Way
Moonlight Cir.
Greentree Way
Lonetree Ct.

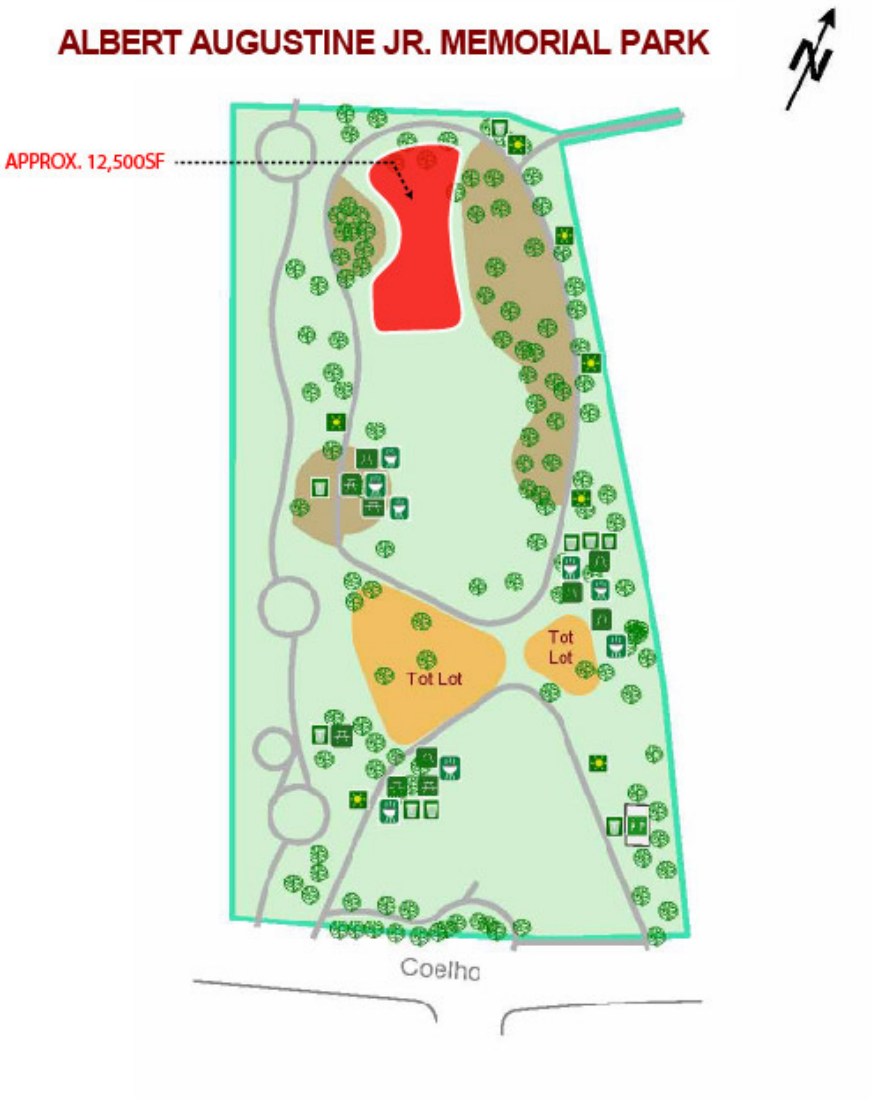

8 MILPITAS SPORTS CENTER
FOOTBALL FIELD
BASEBALL FIELD
SPORTS CENTER

Summary

The eight proposed sites for the skate park are spaced around the City and are mostly neighborhood parks with the exception of the Sport Center. Some of the consistency of each site is due to the similarity of the design canvas as neighborhood parks. Another is the proximity to residents. The following site evaluations summarizes each of the sites in more detail and then outlines our final recommendation as the preferred location for the skate park, taking in consideration the site criteria evaluations contained herein.


ALBERT AUGUSTINE JR.
MEMORIAL PARK

Site 1 - Albert Augustine Jr. Memorial Park



Overview of Existing Conditions

Augustine Memorial Park is a good size neighborhood park that provides passive recreational opportunities to the northern portion of the City. Its linear configuration is broken up in the middle with a children's play area and adjacent restroom, which creates the central park activity core. On either side of the core are open turf areas suitable for casual play and passive use. Active sports use is not accommodated in this park.

The residential edge on the east has only intermittent landscape screening. A public art piece creates a focal point at the entrance on Coelho Street. The Hetch Hetchy linear park traverses the length of the park's western edge. It includes a pedestrian path which is part of the City's linear park system.

The park has one restroom, three benches and six family picnic tables with four group area picnic tables and nine BBQ's. The park also includes a bicycle rack, dog waste bag dispenser, and an informal turf area. Public Art, presented by Dan Snyder in 2002, is displayed at the southern end of the park facing Coelho Street.

Opportunities

Location

- The location of Augustine Park is located in an area of High demographics as a neighborhood park for potential users

Physical Site Conditions

- The topography could accommodate a skate spot around 10,000 s.f.
- Good vehicle access to the site
- Trees for shade

Access & Security

- There is Pedestrian access and connections
- There is good visibility from the street and good sight lines.
- There is parking

Supporting Infrastructure

- There is a restroom and adjacent play areas

Challenges

Location

- The location of Augustine Park is located close to residential homes and could have potential conflict with the neighbors.
- Physical Site Conditions:
- There is not a lot of available open space available for a
- Skate park that wouldn't impact the existing park uses. The opportunity to hold any skateboarding events here would be challenging.
- The space for the Skate Spot is fairly flat for drainage.

Access & Security

- Not much room for securing the skate park with fencing without impacting the adjacent uses of the park

Supporting Infrastructure

- No lighting for the skate spot

Conclusion

This location could have possibilities for a small neighborhood Skate Spot with good visibility and pedestrian access. The close proximity to residents and lack of available open space to avoid conflicts might prove to be a challenge to have a skate park at this location. To have a Skate park big enough to accommodate the users in Milpitas. This location might not meet the criteria to be recommended.

Site 2 - Foothill Park

Overview of Existing Conditions

Foothill Park, located adjacent to Alexander Rose Elementary School, provides passive recreation opportunities to the surrounding neighborhood. Its linear configuration is broken up at the western end with children's play area, large picnic area, and adjacent restroom, which together create the park activity core. On either side of the core are open turf areas suitable for casual play and passive use. Active sports use is not accommodated in this park. A newly planted grove of redwood trees creates an intimate small seating area, providing the park with some variety.

The park includes three barbecues, two benches, one bicycle rack, one dog waste bag dispenser, one drinking fountain, an informal turf area, a school age (5-12) play ground area, and one restroom.

Opportunities

Location

- The location of Foothill Park is located in an area of High demographics as a neighborhood park for potential users

Physical Site Conditions

- The topography could accommodate a skate spot around 12,000 s.f.
- Trees for shade

Access & Security

- There is Pedestrian access and connections
- There is good visibility from the street and good sight lines.
- There is parking and vehicle access to the site

Supporting Infrastructure

- There is a restroom, barbecues, seating benches, bike rack, drinking fountain and adjacent play areas

Challenges

Location

The location of Foothill Park is located adjacent to an elementary school and residents. This park provides passive recreation use. Active recreation is not accommodated at this location.

Physical Site Conditions

- There is not a lot of available open space available for a Skate park that wouldn't impact the existing park uses. The opportunity to hold any skateboarding events here would be challenging.
- The space for the Skate Spot is fairly flat for drainage.

Access & Security

- Not much room for securing the skate park with fencing without impacting the adjacent uses of the park

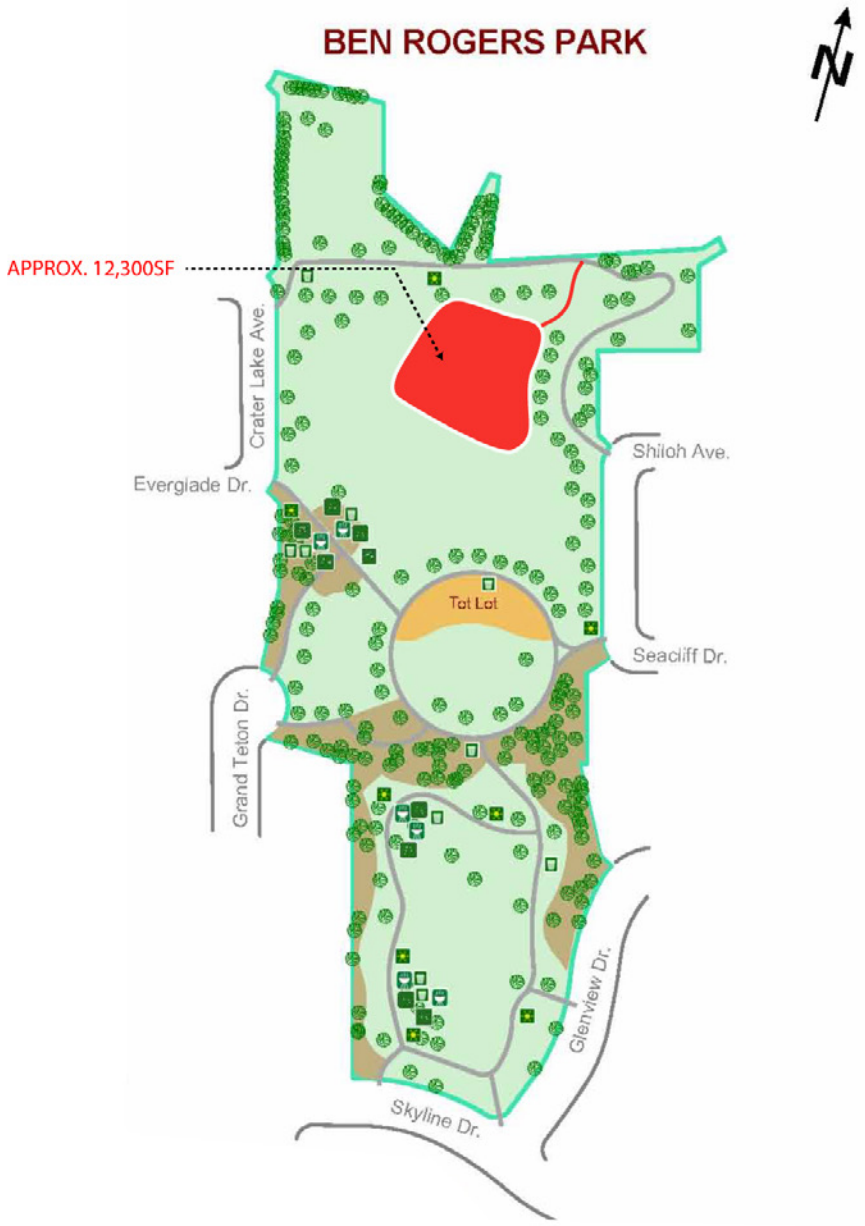
Supporting Infrastructure

- No lighting for the skate spot

Conclusion

This location could have possibilities for a small neighborhood Skate Spot with good visibility and pedestrian access. The close proximity to an adjacent elementary school, residents and lack of available open space to avoid conflicts might prove to be a challenge to have a skate park at this location. The existing park has more passive uses that don't currently support to active sport uses. To have a skate park big enough to accommodate the users in Milpitas this location might not meet the criteria to be recommended.

Site 3 - Ben Rogers Park



Overview of Existing Conditions

Ben Rodgers Park provides a mix of passive open space and a field for active recreation. The park is organized in two portions that are divided by a planted berm. The two portions were constructed at different times and have a different character.

The southern portion has a lighted, asphalt perimeter pathway surrounding an open lawn area with individual picnic tables and barbecues. The picnic areas are separated from the pathway by turf and are therefore not accessible.

The northern portion contains a large open lawn used for baseball games and free play. It has limited gravel pathways leading into the park from adjacent streets, and has no pathway lighting. These pathways are eroding, which increases the maintenance requirements. The northern part also contains two picnic areas with two tables each.

The center of the park, just to the north of the planted berm, features a children's play area that creates a focal point use area. The equipment is intended for ages 5-12. The area has a sand surface which does not provide an accessible path of travel to the equipment. The park is well buffered from adjacent houses with trees. The park lacks a restroom. The park includes six barbeques, five benches, one bicycle rack, two dog waste bag dispensers, one drinking fountain; two informal turf areas, eight picnic tables and one school play area.

Opportunities

Location

- The location of Ben Rogers Park is located in an area that has more of a buffer from neighbors than some of the other sites looked at.

Physical Site Conditions

- The topography could accommodate a skate spot around 12,000 s.f.
- Trees for shade

Access & Security

- There is Pedestrian access and connections
- There is good visibility from the street and good sight lines.
- There is parking and vehicle access to the site

Supporting Infrastructure

- There is a restroom, barbecues, seating benches, bike rack, drinking fountain and adjacent play areas

Challenges

Location

- The location of Ben Rogers Park is located close to residential homes and could have potential conflict with the neighbors.

Physical Site Conditions

- There is not a lot of available open space available for a Skate park that wouldn't impact the existing park uses. The opportunity to hold any skateboarding events here would be challenging.
- The space for the Skate Spot is fairly flat for drainage.

Access & Security

- Not much room for securing the skate park with fencing without impacting the adjacent uses of the park

Supporting Infrastructure

- No restrooms
- No lighting for the skate spot

Conclusion

Skate Spot with good visibility and pedestrian access. There is a better buffer than some of the other neighborhood parks but a lack of available open space to avoid conflicts might still prove to be a challenge to have a skate park at this location. Not having a restroom at this park further prevents this location from meeting the recommended criteria.

Site 4 - Murphy Park

Overview of Existing Conditions

Murphy Park is a large park intended to serve the entire community. It features a large athletic field used for soccer. A large group picnic area and a large children's play area occupy the southern half of the park. A small lawn between the play and picnic area is used for music concerts with a portable stage brought in for events. Many shade trees were recently planted. An off-street parking lot provides 18 spaces. Turf berming in the southern half of the park provides aesthetic topographic relief and spatial definition.

The southern half of the park provides an opportunity to create a more cohesive park core with citywide significance. Ample space and the historic use of this area for small scale community events lends this setting to the creation of a destination for group picnics, community gatherings, and water play for children with the addition of certain amenities.

The park includes one group picnic area with ten picnic tables and four barbecues. There are eight benches and two play areas, one for the ages between 2-5 years and the other for 5-12 years of age. One restroom is located in the middle of the park and public art is located on the south entrance of the park near the parking lot.

Opportunities

Location

- Murphy Park is a larger park than some of the other sites that can serve a larger community. There is more space here to accommodate active and passive recreation.

Physical Site Conditions

- The topography could accommodate a skate spot around 14,000 s.f.
- Good vehicle access to the site
- Trees for shade

Access & Security

- There is Pedestrian access and connections
- There is good visibility from the street and good sight lines.
- There is parking

Supporting Infrastructure

- There is a restroom and adjacent play areas

Challenges

Location

- The location of Murphy Park is located close to residential homes and could have potential conflict with the neighbors and adjacent sport activities.

Physical Site Conditions

- There is not a lot of available open space available for a Skate park that wouldn't impact the existing park uses. The opportunity to hold any skateboarding events here would be challenging.
- The space for the Skate Spot is fairly flat for drainage.

Access & Security

- Not much room for securing the skate park with fencing without impacting the adjacent activities and play areas in the park

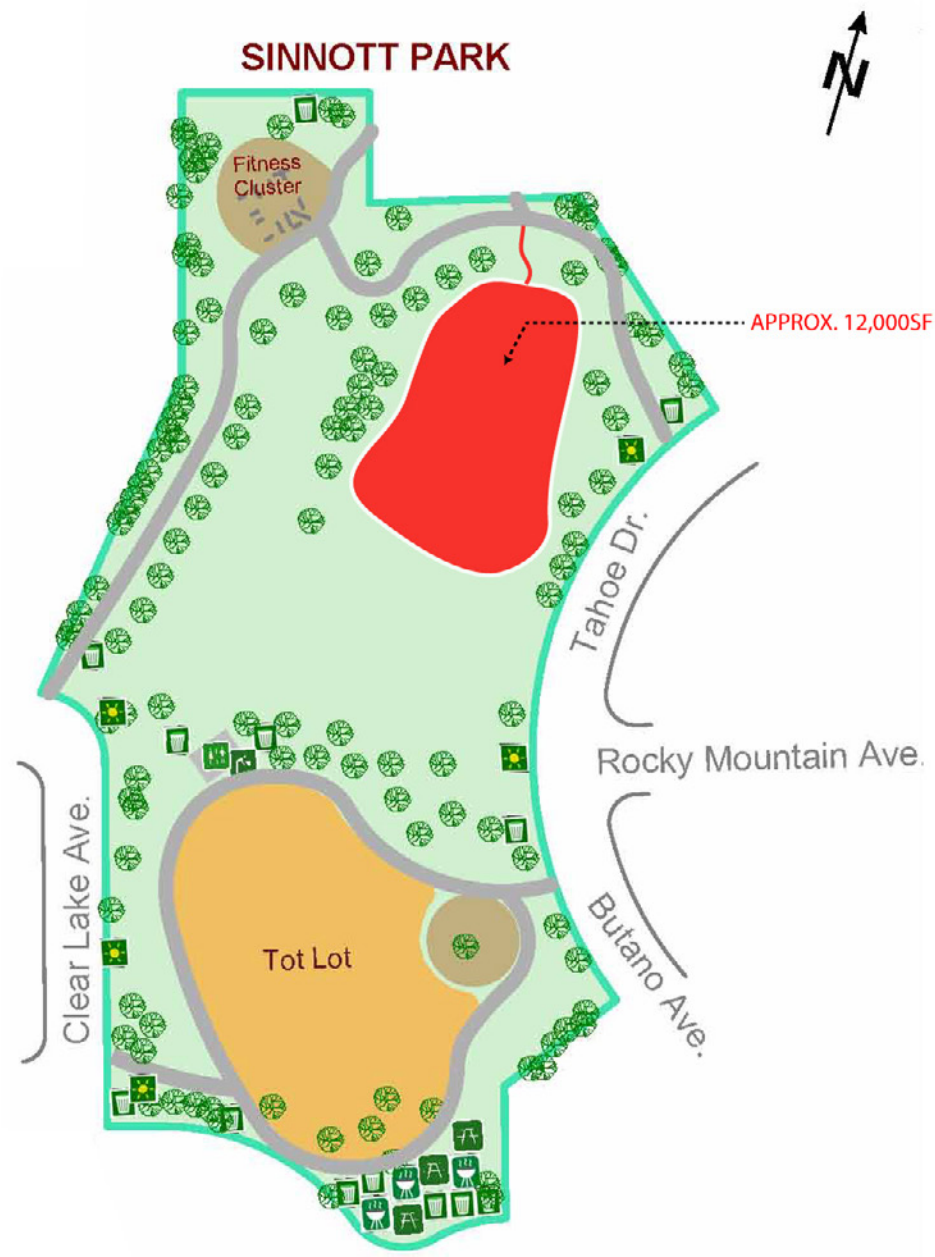
Supporting Infrastructure

- No lighting for the skate spot

Conclusion

This location could have possibilities for a neighborhood Skate Park with good visibility and pedestrian access. The park has an active area of recreation but the close proximity to residents and lack of available open space to avoid conflicts in the passive areas might prove to be a challenge to have a skate park at this location. To have a Skate park that can accommodate any kind of events without conflict would be one of the major drawbacks to this location.

Site 5 - Sinnott Park



Overview of Existing Conditions

Sinnott Park is adjacent to John Sinnott Elementary School and serves the surrounding neighborhood with passive recreational amenities. The park is nicely organized with an activity area at the south end and a small activity area at the north end, which create "destination" spaces at either end of the park. The northern destination is a small exercise equipment area that is situated close to the school and can be used for physical education classes.

This park has three picnic tables with three barbecues, five benches, one bicycle rack, one drinking fountain, two horseshoe pits, one informal turf area, one volleyball court and one restroom. The park also includes two children's play structures.

Opportunities

Location

- The location of Sinnott Park is passive neighborhood park located adjacent to an elementary school.

Physical Site Conditions

- The topography could accommodate a skate spot around 12,000 s.f.
- Good vehicle access to the site
- Trees for shade

Access & Security

- There is Pedestrian access and connections
- There is good visibility from the street and good sight lines.
- There is parking

Supporting Infrastructure

- There is a restroom and adjacent play areas

Challenges

Location

- The location of Sinnott Park is located close to residential homes and could have potential conflict with the neighbors.

Physical Site Conditions

- There is not a lot of available open space available for a Skate park that wouldn't impact the existing park uses. The opportunity to hold any skateboarding events here would be challenging.
- The space for the Skate Spot is fairly flat for drainage.

Access & Security

- Not much room for securing the skate park with fencing without impacting the adjacent uses of the park

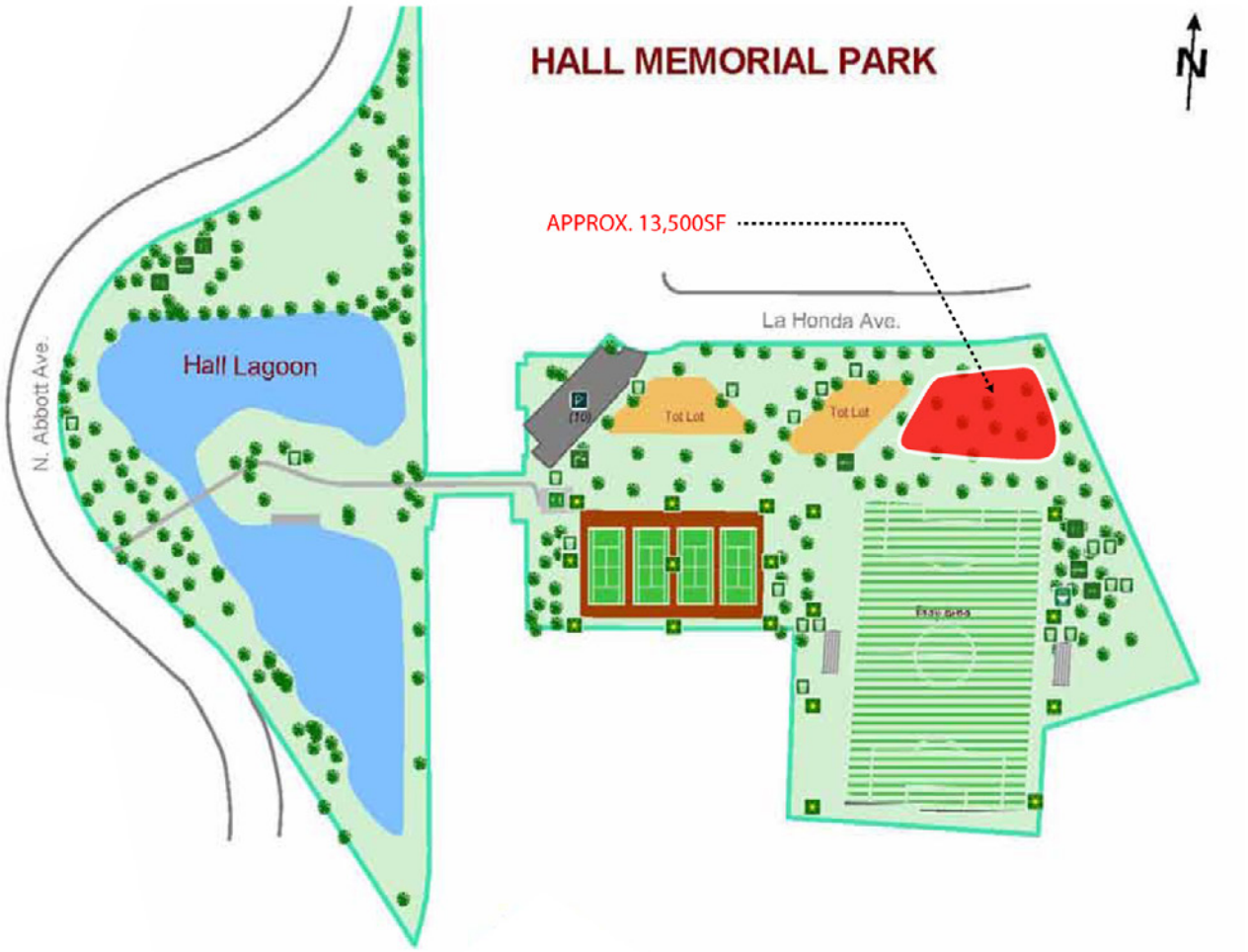
Supporting Infrastructure

- No lighting for the skate spot

Conclusion

This location could have possibilities for a small neighborhood Skate Spot with good visibility and pedestrian access. The close proximity to residents and lack of available open space to avoid conflicts might prove to be a challenge to have a skate park at this location. With an exercise area in the North end of the park and a nice play area to the South there is little open space left over to be able to accommodate a skate park at this location.

Site 6 - Hall Memorial Park



Overview of Existing Conditions

Hall Memorial Park provides a diverse range of neighborhood park amenities, passive areas, and active sports fields like the lighted soccer field. The main part of the park has four lighted tennis courts which were rebuilt in 2005, two children's play areas, and individual picnic tables. The park also features a drainage lagoon located across the creek to the west of the main park. This area includes picnic tables, benches and provides an opportunity for viewing wildlife.

The park includes eleven benches throughout the park, one bicycle rack, two barbecues, one drinking fountain, interpretive signage, five picnic tables, and restroom facilities. The sports facilities include one soccer field with bleachers, four tennis courts with lighting, and a tennis backboard. There are two play structures on site that were installed in 2004. The park also has the lagoon and informal turf area.

Opportunities

Location

- Hall Memorial Park has a better range of park activities including sports fields and tennis courts to serve the local neighborhood

Physical Site Conditions

- The topography could accommodate a skate spot around 13,500 s.f.
- Good vehicle access to the site
- Trees for shade
- Lagoon for possible drainage opportunities

Access & Security

- There is Pedestrian access and connections
- There is good visibility from the street and good sight lines.
- There is parking and vehicle access to the site

Supporting Infrastructure

- There is a restroom and adjacent sport fields and play areas

Challenges

Location

- The location of Hall Memorial Park is located close to a lot of other sport activities and play areas and might pose a conflict with those users.

Physical Site Conditions

- Although the park has a variety of active spaces there is not a lot of available open space available for a Skate park that wouldn't impact the existing park uses. The opportunity to hold any skateboarding events here would be challenging.

Access & Security

- Not much room for securing the skate park with fencing without impacting the adjacent uses of the park

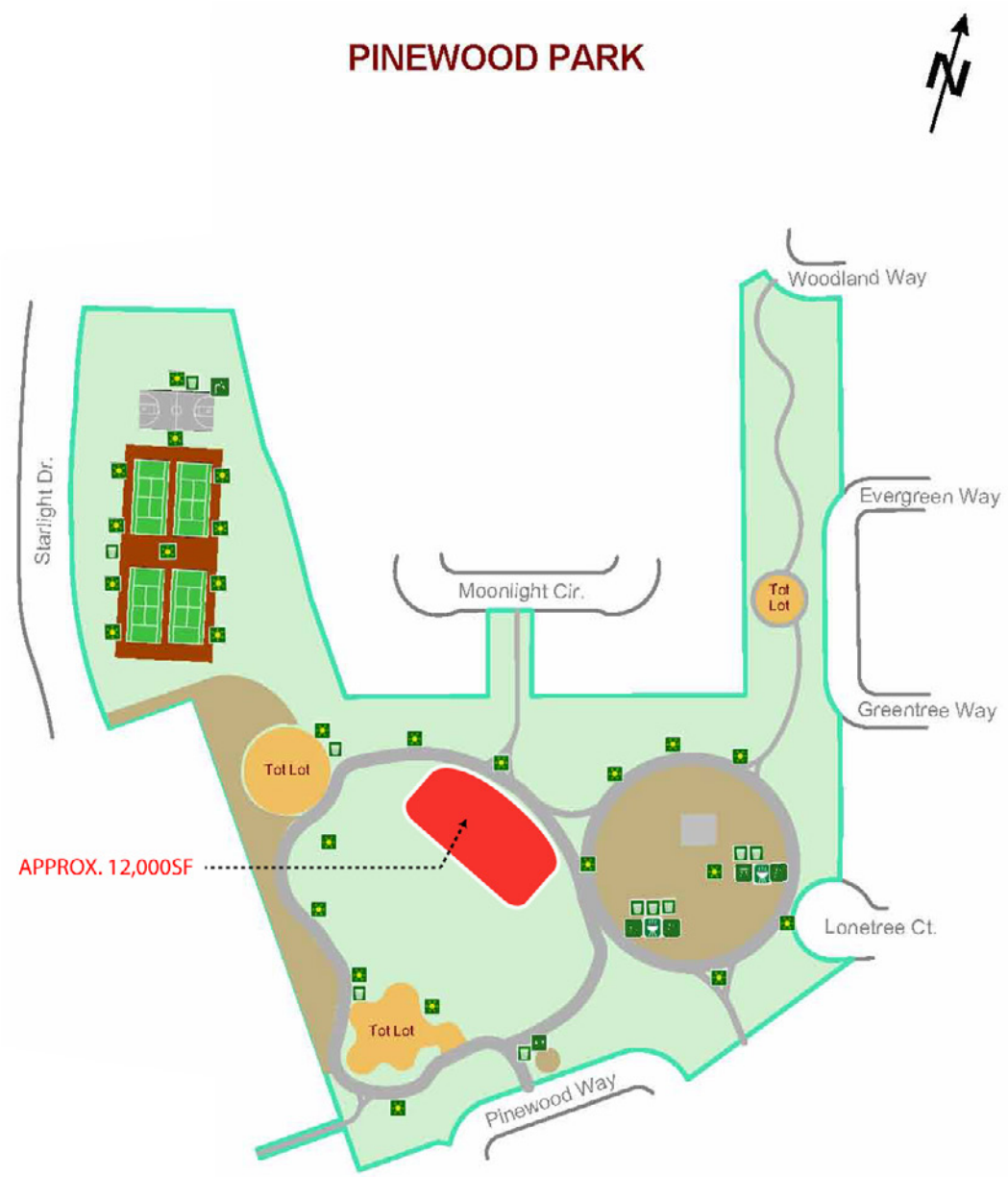
Supporting Infrastructure

- No lighting for the skate spot

Conclusion

Hall Memorial Park is one of the few parks we looked at that can accomodate spaces for activities and have existing sport fields. However the close proximity to residents and lack of available open space to fit in more active spaces like a skate park will be challenging. A skate park will require using the little open space that is left at this location and would not be recommended based on the criteria in this study.

Site 7 - Pinewood Park



Overview of Existing Conditions

Pinewood Park is a large park that provides a variety of features serving the southwestern portion of Milpitas. The tennis and basketball courts were rebuilt in 2005, and two new play areas were installed in 2004.

This park has one lighted basketball court, four lighted tennis courts, and one tennis backboard. There are two group picnic areas with four picnic tables, two barbecues, seven benches, two bicycle racks, two dog waste bag dispensers, two drinking fountains, one large informal turf area, and a restroom. The pathways at this park are asphalt and lighted. There are three children play structures, two tot lots, and one serving the ages of 5-12 years of age. This park includes an "Art in Your Park" piece that was Produced by Bill Gould titled "Green Tree."

Opportunities

Location

- Pinewood Park has existing active spaces that include tennis courts and a basketball court. It also includes a lot of paths and an art piece

Physical Site Conditions

- The topography could accommodate a skate spot around 12,000 s.f.
- Good vehicle access to the site
- Trees for shade

Access & Security

- There is Pedestrian access and connections
- There is good visibility from the street and good sight lines.
- There is parking

Supporting Infrastructure

- There is a restroom and adjacent play areas

Challenges

Location

- The location of Pinewood Park is located close to residential homes and could have potential conflict with the neighbors.

Physical Site Conditions

- There is not a lot of available open space available for a Skate park that wouldn't impact the existing park uses. The opportunity to hold any skateboarding events here would be challenging.
- The space for the Skate Spot is fairly flat for drainage.

Access & Security

- Not much room for securing the skate park with fencing without impacting the adjacent uses of the park

Supporting Infrastructure

- No lighting for the skate spot

Conclusion

This location could have possibilities for a small neighborhood Skate Spot with good visibility and pedestrian access. There is good spacing of activities and accessible paths in the park but the lack of available open space for any kind of passive activity might prove to be a challenge to have a skate park at this location. Based on the criteria of the study it is recommended to plan for a skate park in an area with more available space and infrastructure that will not impact the other park activities.

Site 8 - Milpitas Sports Center

Overview of Existing Conditions

The Milpitas Sports Center is located adjacent to the Sports and Teen Center Building off of Calaveras Boulevard. The Center has many sports fields that are utilized by the community.

This park currently has a total of five baseball fields with two bleachers per field. Four of the fields are used for little league and the other one is a lighted field with two warm-up batting cages utilized by adults. The park has one football field with two grandstands, and a lighted track that surrounds the football field. There is one gymnasium, one restroom with concession building, a recreation building, known as the Milpitas Sports Center, a soccer field (part of the senior baseball field), and four swimming pools. This park includes public artwork, although not an official "Art in Your Park" project, the delightful depiction of baseball players on the fence backstop of the baseball field was the first piece of artwork the Milpitas Alliance for the Arts provided in a Milpitas park.

Opportunities

Location

- The location of the Sports Center is located in an area with existing sport fields and active use.
- Locating a skate park here would not eliminate existing park space for the community.
- There are no residents close in proximity to this proposed location.

Physical Site Conditions

- The topography could accommodate a skate spot around 20,000 s.f.
- The existing grades at this proposed location will be ideal for drainage
- Good vehicle access to the site
- Trees for shade

Access & Security

- There is Pedestrian access and connections
- There is good visibility from the street and good sight lines.
- There is parking and vehicle access to the site

Supporting Infrastructure

- There is a restroom and adjacent sport fields and concessions

Challenges

Physical Site Conditions

- There could be more shade added for spectators

Access & Security

- Would have to add fencing to secure the skate park during hours of non-use.

Supporting Infrastructure

- Sport lighting could be added for activity in the evening

Conclusion

This location has the best possibilities for a Skate Park of all the sites we reviewed. The location is big enough to accommodate all the features that were requested from the community at the public input meetings. There is good visibility and pedestrian access. The close proximity to residents and lack of available open space is not an issue at this location. There are more opportunities at this location than there are challenges. Based on the site evaluation criteria this location is highly recommended.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4.0

FINAL CONCLUSIONS

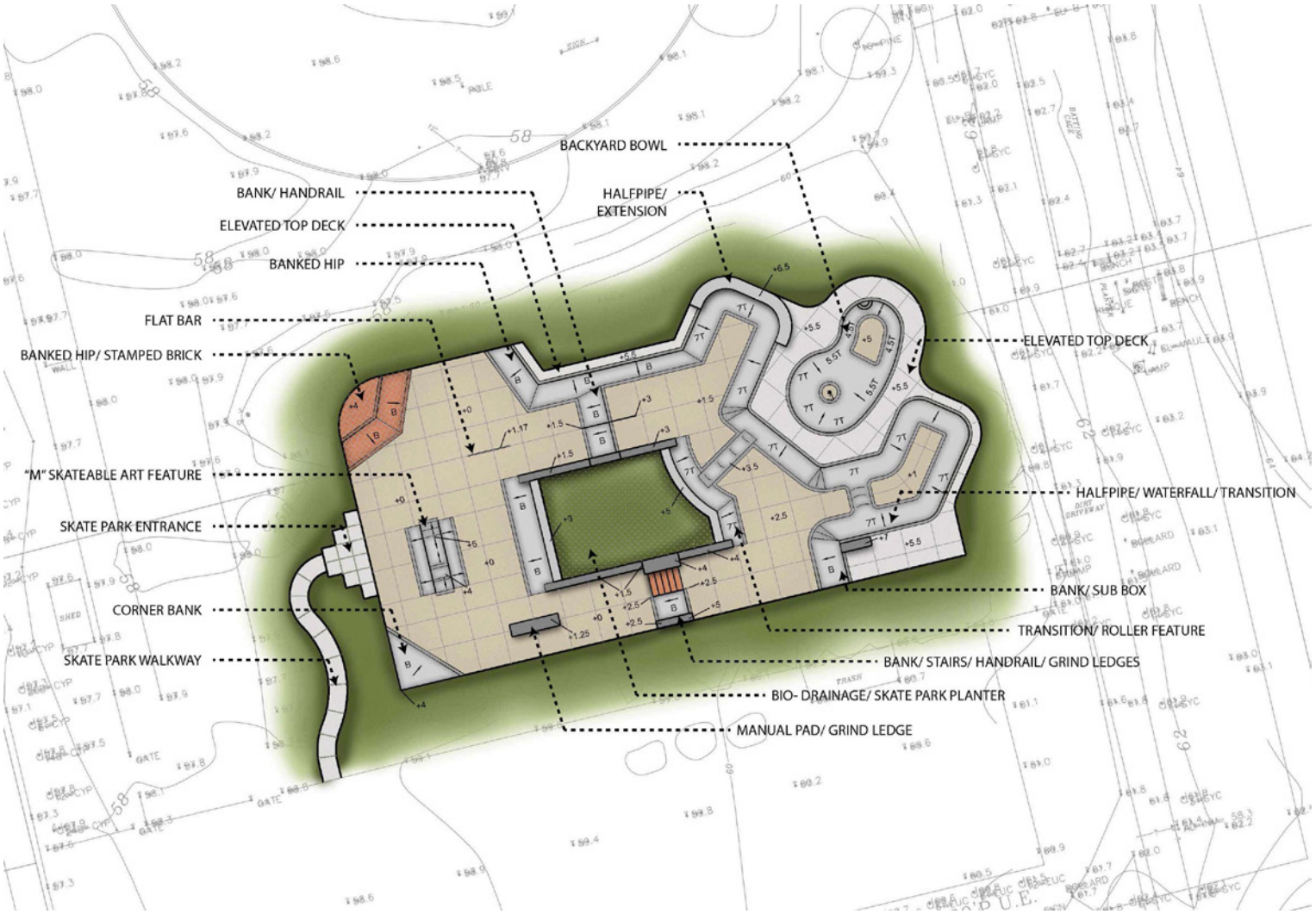
Final Conclusions

The process of evaluating and comparing the eight potential sites is not a simple task due to the unique nature and functionality of skate parks. We took into consideration some of the issues and concerns voiced with the previous neighborhood skate park and used them to prioritize the areas of high importance within our site selection criteria.

In our review one site stood out above the rest in the areas of importance in our analysis and that was the Milpitas Sports Center.

When we presented this finding in the first public Input meeting it was met with a standing ovation of unanimous support from the community. The consensus was that this was the best site to propose a skate park based off the criteria of its physical location, existing site conditions, access, security, good visibility, and supporting infrastructure. The Sports Center already being an area of active use it seemed to be the best fit to also include a space for skateboarding activity. The existing building also serves the need for restrooms and Sports Center staff already onsite for a certain level of supervision and emergency response for the skate park.

The other seven sites were not as suitable as the Sports Center because they were all neighborhood parks that didn't have the same infrastructure available to include an active space without impact to the existing park space. The challenges in the other seven sites were consistently limited open space availability and their proximity to local residents. To avoid the potential conflict of adjacent activities in the neighborhood parks locating a skate park at the Sports Center would allow for the available space to include a skate park with plenty of parking, pedestrian access and viewing opportunities, sport lighting, fencing, and has the existing topography for ideal drainage solutions. This site can easily accommodate a large enough skate park of up to approximately 20,000 square feet to accommodate the number of skateboarders in and around Milpitas. If there was ever a desire to have any programming or events the Sports Center has the infrastructure and location to accommodate these activities in a skate park at this location.


BACKYARD BOWL
BANK/ HANDRAIL
HALFPIPE/
EXTENSION
ELEVATED TOP DECK
BANKED HIP
FLAT BAR
BANKED HIP/ STAMPED BRICK
ELEVATED TOP DECK
"M" SKATEABLE ART FEATURE
HALFPIPE/ WATERFALL/ TRANSITION
SKATE PARK ENTRANCE
BANK/ SUB BOX
CORNER BANK
TRANSITION/ ROLLER FEATURE
SKATE PARK WALKWAY
BANK/ STAIRS/ HANDRAIL/ GRIND LEDGES
BIO- DRAINAGE/ SKATE PARK PLANTER
MANUAL PAD/ GRIND LEDGE

5.0

SKATE PARK CONCEPT DESIGN

Size and Style

Elements of a Skate System

Using the same methods in park planning, the various elements within a skate system can take on similar traits of a parks system:

- Skate Spots; (neighborhood parks) distributed throughout populated areas to provide recreational opportunities for beginners and intermediate skill level skaters in residential neighborhoods
- Skate Paths; (trails) serve pedestrians, skateboarders,in-line skaters and connect neighborhoods to schools, parks and other public facilities
- Skate parks; accommodate various skill levels of skaters with the capacity to serve larger groups of users. These parks would include amenities such as on-site parking, restrooms, spectator areas, etc. and may be connected to other public parks or civic areas.

Skate Spot

- Small skateable elements integrated into the existing landscape to larger areas that can accommodate up to a dozen riders, typically comprised of several street terrain elements.
- Roughly 1,500 square feet in size
- Can be integrated into existing parks as "additional playgrounds" since essentially that is what they are; areas for kids to play
- Cities with only one central skate park, many users are dependent on motorized transportation to reach the park. The lower cost and easier installation of skate spots allows for more places to ride – serving a larger action sports population in a more efficient way.

Skate Paths

- Networks of skateable paths and existing routes which are skate friendly
- Integrated into a community's transportation plan
- Promotes alternative modes of transportation
- Reduces dependency on vehicular transportation
- while providing exercise opportunities
- Provides routes for skaters/cyclists to venture to higher challenging spots

Skate Parks

- Remain as the centralized meeting places for the community's skateboarders
- Offers highly mixed terrain; typically 60 percent street terrain and 40 percent transition terrain
- Provides long-term retention value as a recreational amenity
- Provides quick relief to communities with an active skateboarding population which currently has no public skate facilities

Site Planning

First rule of thumb, which applies universally: skate parks should be sited in high visibility locations.

Two key criteria of skate park sites:

- A majority of skaters need to be able to conveniently access the skate park without dependence on mom or dad or mass transit. The closer to schools or other youth centers the better. Parks situated to serve as a destination of multiple skate paths make the most sense, either dedicated paths or skateable routes such as paved trails or sidewalks.
- It is important to understand that teens – skaters or otherwise – can be prone to doing foolish and sometimes dangerous things. Adult supervision is critical, but the kind of adult supervision is even more important. When possible, site skate parks within existing high use areas, such as busy parks, or near town centers, to establish the best patterns of oversight. A steady flow of spontaneous spectators and passerby creates consistent de facto supervision which rewards skaters with a needed sense of community inclusion as well as safety and security. Other issues include the provision of space for parking, stormwater management and the availability of utility infrastructure (electrical power, water and sewer). The two key aspects listed for the ideal site lend themselves towards not selecting a remote site where these additional provisions are typically not found.

Skate Park Size

There is no established guideline for skate park size. The average skate park being built these days is about 12,000sf in most cities. Portland Parks & Recreation (Oregon) uses a standard of one to two square feet of skateable surface per resident. Based on this standard, the City of Milpitas can plan on roughly 20,000sf total of skateable area, but not necessarily at one park. While a single large park may satisfy the current need, the space needed for a single facility may not be reasonable. A combination of a larger skate park and smaller spots can meet the need and provide skate park "coverage" within the more densely populated areas.

As the nation's youth trend away from traditional team sports to more individualized activities like skateboarding, developing skate parks in phases can be a smart move. This approach would also fit the community better by starting with the development of a skate system master plan, and then build a centralized skate park. It would be practical to develop a skate park in phases to ensure the sites selected allow for expansion when the time is appropriate. Using this method would help minimize costs associated with maximizing a site all at once and would allow for a change in park programming as demographics shift. Based on the City's population of citizens who are less than 18 years of age, the City should plan for a minimum of a 20,000sf skate park (skateable area). (California Parks & Recreation Society)

Terrain

Generally, a skate park system may contain three types of terrain: street, mini-transition, and vertical transition.

Street Terrain

Street terrain consists of skating, or freestyle bicycling, challenges which replicate those types of challenges typically found in urban settings. These include benches, seating walls, picnic tables, staircases, handrails and various lengths and slopes of ramps.

Mini - Transition Terrain

Consists of any gradual transition from horizontal and do not include a vertical face. These are typically smaller than six feet in height. Many of the modular-type ramps are considered to be mini-terrain.

Vertical Transition Terrain

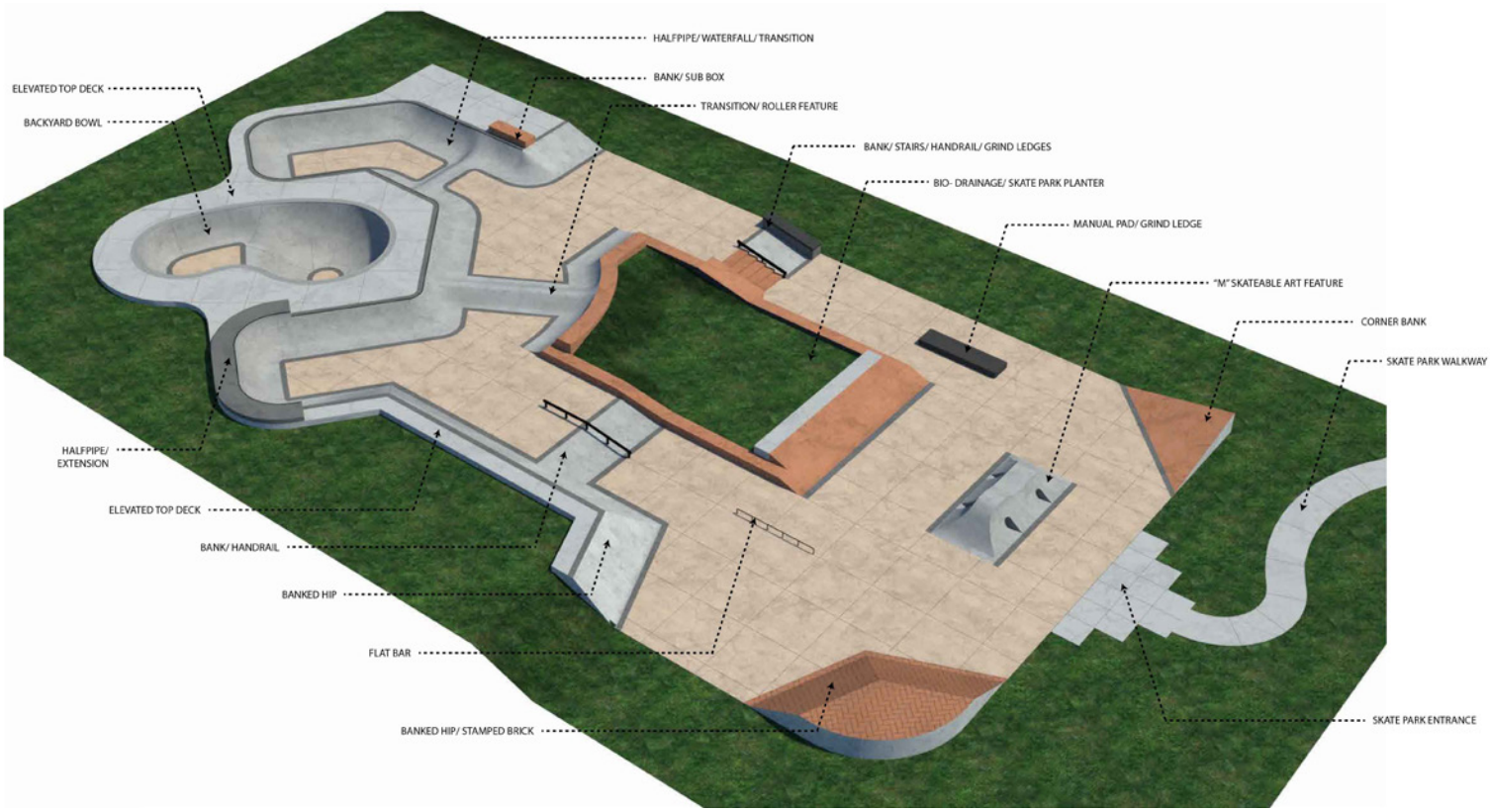
This terrain is similar to mini-transition but featuring walls up to and sometimes exceeding vertical. "Vert" was popularized through the use of empty swimming pools.

Design Summary

The concept for the Milpitas Skate Park is to create a positive environment for all ages and skill levels that allows for community connection. The terrain would have a variety of transition and urban plaza features that were requested during the community input meetings. The skate park will have areas of pedestrian access and spectator viewing as well as integration with the surrounding existing landscape and adjacent sport fields.

The plaza area is also to have authentic urban elements with color and textures that can be a user friendly and will also have a signature `M' skate feature to give the skate park its own identity specific to Milpitas. The transition section of the skate park has a unique organic flow that provides a unique riding experience different from the plaza entry area. This section will be placed on the higher topography of the existing site to provide for better drainage opportunities.

The concept presented herein that was developed upon input obtained at the two public meetings will be aesthetically pleasing for the community as a whole and will provide an activity for fitness that has interesting and challenging terrain for all users.


HALFPIPE/ WATERFALL/ TRANSITION
BANK/ SUB BOX
TRANSITION/ ROLLER FEATURE
BANK/ STAIRS/ HANDRAIL/ GRIND LEDGES
BIO- DRAINAGE/ SKATE PARK PLANTER
MANUAL PAD/ GRIND LEDGE
"M" SKATEABLE ART FEATURE
CORNER BANK
SKATE PARK WALKWAY
ELEVATED TOP DECK
BACKYARD BOWL
HALFPIPE/ EXTENSION
ELEVATED TOP DECK
BANK/ HANDRAIL
BANKED HIP
FLAT BAR
BANKED HIP/ STAMPED BRICK
SKATE PARK ENTRANCE

Feasibility Lighting

This Feasibility study has included a preliminary lighting plan from Musco Lighting for the skate park. This will show the proposed lighting system, Illumination summary, and pole locations. The preliminary cost for this Musco Lighting system is approximately $65,000.

Control System Summary

Project Specific Notes:
Voltage assumed as 480v 3ph

Project Information

Project #:	172334
Project Name:	Milpitas Sports Center
Date:	01/07/15
Project Engineer:	dalexand
Sales Representative:	Bob Crookham
Control System Type:	Control and Monitoring
Communication Type:	Digital Cellular
Scan:	172334A
Document ID:	172334P1V1-0107221759
Distribution Panel Location or ID:	Panel ID UNKNOWN
Total # of Distribution Panel Locations for Project:	1
Design Voltage/Hertz/Phase:	480/60/3
Control Voltage:	120

Equipment Listing

DESCRIPTION	APPROXIMATE SIZE
1.Control and Monitoring Cabinet	24 X 48
2.Surge Protection Device	6 X 10

	QTY	SIZE
Total Contactors	4	30 AMP
Total Off/On/Auto Switches:	1	

Materials Checklist

Contractor/Customer Supplied:

- ❑ A single control circuit must be supplied per distribution panel location.
  - — If the control voltage is NOT available, a control transformer is required.
- ❑ Electrical distribution panel to provide overcurrent protection for circuits
  - — Thermal/Magnetic circuit breaker sized per full load amps on Circuit Summary by Zone Chart
- ❑ Wiring:
  - — Dedicated control power circuit
  - — Power circuit to and from lighting contactors
  - — Monitoring circuit from surge protection device to Control and Monitoring cabinet 1
  - — Harnesses for cabinets at remote locations
  - — Means of grounding, including lightning ground protection
- ❑ Electrical conduit wireway system
  - — Entrance hubs rated NEMA 4: must be die-cast zinc, PVC, or copper-free die-cast aluminum
- ❑ Mounting hardware for cabinets
- ❑ Control circuit lock-on device to prevent unauthorized power interruption to control power
- ❑ Anti-corrosion compound to apply to ends of wire, if necessary

Call Control-Link Central(TM) operations center at 877/347-3319 to schedule activation of the control system upon completion of the installation. Note: Activation may take up to 1 1/2 hours

IMPORTANT NOTES

1. Please confirm that the design voltage listed above is accurate for this facility. Design voltage/phase is defined as the voltage/phase being connected and utilized at each lighting pole's ballast enclosure disconnect. Inaccurate design voltage/phase can result in additional costs and delays. Contact your Musco sales representative to confirm this item.
2. In a 3 phase design, all 3 phases are to be run to each pole. When a 3 phase design is used Musco's single phase luminaires come pre-wired to utilize all 3 phases across the entire facility.
3. One contactor is required for each pole. When a pole has multiple circuits, one contactor is required for each circuit. All contactors are UL 100% rated for the published continuous load. All contactors are 3 pole.
4. If the lighting system will be fed from more than one distribution location, additional equipment may be required. Contact your Musco sales representative.
5. A single control circuit must be supplied per control system.
6. Size overcurrent devices using the full load amps column of the Circuit Summary By Zone chart- Minimum power factor is 0.9.

NOTE: Refer to Installation Instructions for more details on equipment information and the installation requirements

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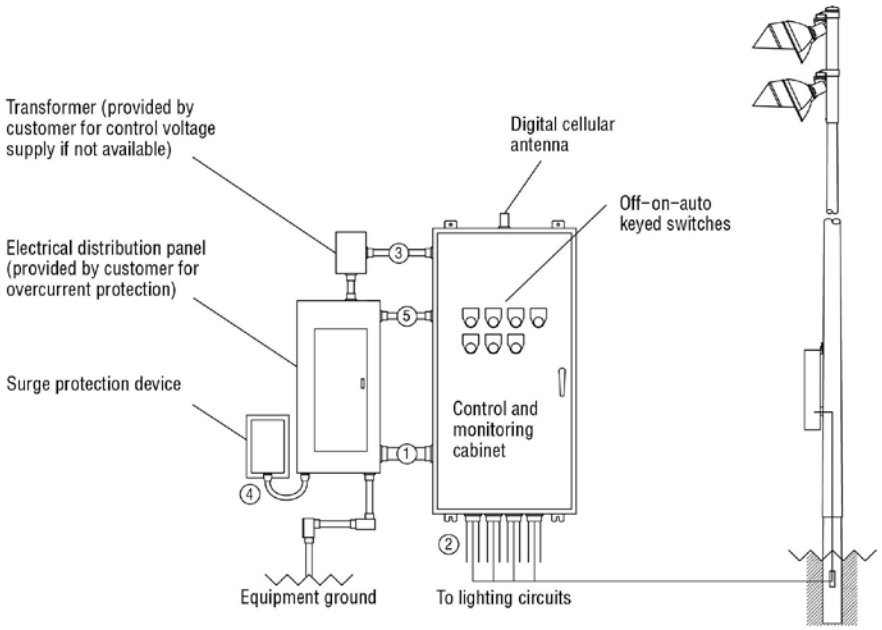
Form: T-5030-1

Form: T-5030-1

Control•Link® Control and Monitoring System



Wire	Description	# of Wires	Typ. Wire Size (AWG)	Max. Wire Length (FT)	Wire from Musco	Notes
1	Line power to contactors, and equipment grounding conductor	Note A	Note B	27	No	A – E
2	Load power to lighting circuits	Note A	Note B	N/A	No	A – D
3	Control power (dedicated, 20A)	3	12	N/A	No	C, D
4	Surge protection device to distribution panel	– –	– –	N/A	Yes	F
5	Surge protection device monitoring	3	14	N/A	Yes	C, D, F

R60-32-00_B

Notes:
A. Voltage and phasing per the notes on cover page.
B. Calculate per load and voltage drop.
C. All conduit diameters should be per code.
D. Refer to control and monitoring system installation instructions for more details on equipment information and the installation requirements.
E. Contact Musco if maximum wire length from circuit breaker to contactor exceeds value in chart.
F. Refer to surge protection device installation instructions for more details on equipment information and the installation requirements.

IMPORTANT: Control (3) and monitoring (5) wires must be in separate conduit from line and load power wiring (1, 2).

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Form: T-5030-1

Control System Summary

SWITCHING SCHEDULE

Field/Zone Description	Zones
Skate Park	**1**

CONTROL POWER CONSUMPTION	
120V Single Phase	
VA loading of Musco Supplied Equipment	INRUSH: 1568.0
	SEALED: 194.8

BALLAST SPECIFICATIONS .90 Minimum Power Factor	VOLTAGE: 480v		THREE PHASE				
BALLAST OPERATING VOLTAGE	208	220	240	277	347	380	480
1500 Watt Metal Halide Lamp Operating line amperage per fixture- maximum	8.6	8.3	7.5	6.5	5.1	4.7	3.7
1000 Watt Metal Halide Lamp Operating line amperage per fixture- maximum	6.5	6.4	5.8	4.9	4.0	3.6	2.9

CIRCUIT SUMMARY BY ZONE

POLE	CIRCUIT DESCRIPTION	# OF FIXTURES	FULL LOAD AMPS	CONTACTOR SIZE (AMPS)	CONTACTOR ID	ZONE
P1	Skate Park	3	**7.4**	30	C1	1
P2	Skate Park	3	**7.4**	30	C2	1
P3	Skate Park	3	**7.4**	30	C3	1
P4	Skate Park	3	**7.4**	30	C4	1

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Form: T-5030-1

Control System Summary

Milpitas Sports Center / 172334 - 172334A
Panel ID UNKNOWN - Page 4 of 4

PANEL SUMMARY

CABINET #	CONTROL MODULE LOCATION	CONTACTOR ID	CIRCUIT DESCRIPTION	FULL LOAD AMPS	DISTRIBUTION PANEL ID (BY OTHERS)	CIRCUIT BREAKER POSITION (BY OTHERS)
1	1	C1	Pole P1	7.40		
1	1	C2	Pole P2	7.40		
1	1	C3	Pole P3	7.40		
1	1	C4	Pole P4	7.40		

ZONE SCHEDULE

			CIRCUIT DESCRIPTION	
ZONE	SELECTOR SWITCH	ZONE DESCRIPTION	POLE ID	CONTACTOR ID
Zone 1	1	Skate Park	P1 P2 P3 P4	C1 C2 C3 C4

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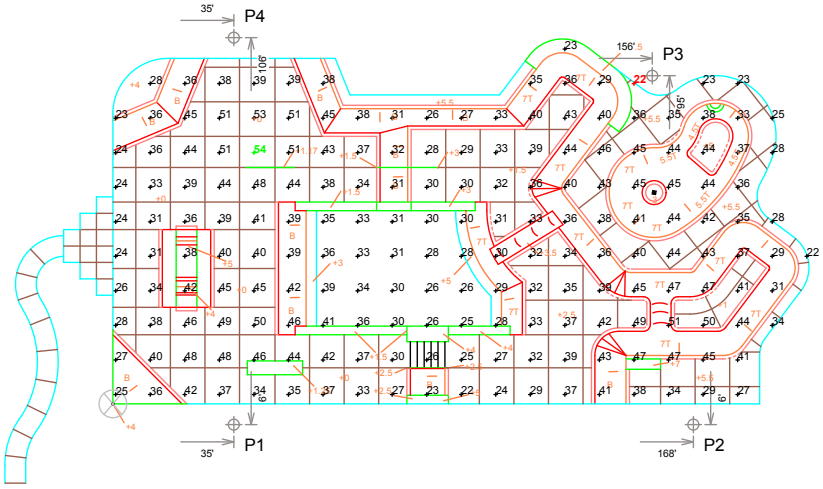
Feasibility Lighting

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LAMP TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
4	P1-P4	50'	-	50'	1500W MZ	3	3	0
4	TOTALS					12	12	0



SCALE IN FEET 1 : 40

0' 40' 80'

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

MY PROJECT

Name:	**Milpitas Sports Center**
Location:	Milpitas, CA

GRID SUMMARY

Name:	**Skate Park**
Size:	0' x 0'
Spacing:	10.0' x 10.0'
Height:	3.0' above grade

CONSTANT ILLUMINATION

SUMMARY	HORIZONTAL FOOTCANDLES
	Entire Grid
Guaranteed Average:	**30**
Scan Average:	36.3
Maximum:	54.0
Minimum:	21.9
Avg / Min:	1.66
Guaranteed Max / Min:	**3**
Max / Min:	2.5
UG (adjacent pts):	1.63
CU:	0.43
No. of Points:	191
LUMINAIRE INFORMATION	
Luminaire Type:	Green Generation
Design Usage Hours:	5,000 hours
Design Lumens:	134,000
Avg Lamp Tilt Factor:	1.000
No. of Luminaires:	12
Avg KW:	18.77 (20.4 max)

Guaranteed Performance: The Guaranteed Average CONSTANT ILLUMINATION described above is guaranteed for the design usage hours of the system.

Field Measurements: Illumination measured in accordance with IESNA LM-5-04 and CIBSE LG4. Individual values may vary. See the Warranty document for details.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume +/- 3% nominal voltage at line side of the ballast and structures located within 3 feet (1m) of design locations.

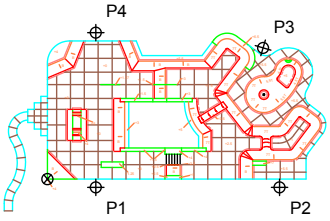
ENGINEERED DESIGN

By:	**D.Alexander**	
File # / Date:	172334A	07-Jan-15

ILLUMINATION SUMMARY

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LAMP TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
4	P1-P4	50'	-	50'	1500W MZ	3	3	0
4	TOTALS					12	12	0



SCALE IN FEET 1 : 100

0' 100' 200'

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

MY PROJECT

Name: **Milpitas Sports Center**
Location: Milpitas, CA

GRID SUMMARY

Name: **Spill - Prop Line**
Spacing: 20.0'
Height: 3.0' above grade

CONSTANT ILLUMINATION

SUMMARY	HORIZONTAL FOOTCANDLES
	Entire Grid
Scan Average:	**0.040**
Maximum:	0.093
Minimum:	0.005
No. of Points:	25
LUMINAIRE INFORMATION	
Luminaire Type:	Green Generation
Design Usage Hours:	5,000 hours
Design Lumens:	134,000
Avg Lamp Tilt Factor:	1.000
No. of Luminaires:	12
Avg KW:	18.77 (20.4 max)

Guaranteed Performance: The CONSTANT ILLUMINATION described above is guaranteed for the design usage hours of the system.

Field Measurements: Illumination measured in accordance with IESNA LM-5-04 and CIBSE LG4. Individual values may vary. See the Warranty document for details.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume +/- 3% nominal voltage at line side of the ballast and structures located within 3 feet (1m) of design locations.

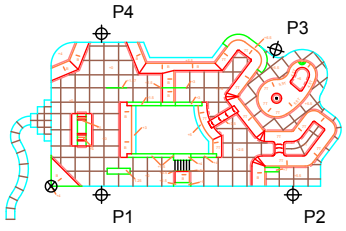
ENGINEERED DESIGN

By: **D.Alexander**
File # / Date: 172334A 07-Jan-15

ILLUMINATION SUMMARY

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LAMP TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
4	P1-P4	50'	-	50'	1500W MZ	3	3	0
4	TOTALS					12	12	0



SCALE IN FEET 1 : 100

0' 100' 200'

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

MY PROJECT

Name: **Milpitas Sports Center**
Location: Milpitas, CA

GRID SUMMARY

Name: **Spill - Prop Line**
Spacing: 20.0'
Height: 3.0' above grade

CONSTANT ILLUMINATION

SUMMARY	MAX VERTICAL FOOTCANDLES
	Entire Grid
Scan Average:	**0.218**
Maximum:	0.443
Minimum:	0.045
No. of Points:	25
LUMINAIRE INFORMATION	
Luminaire Type:	Green Generation
Design Usage Hours:	5,000 hours
Design Lumens:	134,000
Avg Lamp Tilt Factor:	1.000
No. of Luminaires:	12
Avg KW:	18.77 (20.4 max)

Guaranteed Performance: The CONSTANT ILLUMINATION described above is guaranteed for the design usage hours of the system.

Field Measurements: Illumination measured in accordance with IESNA LM-5-04 and CIBSE LG4. Individual values may vary. See the Warranty document for details.

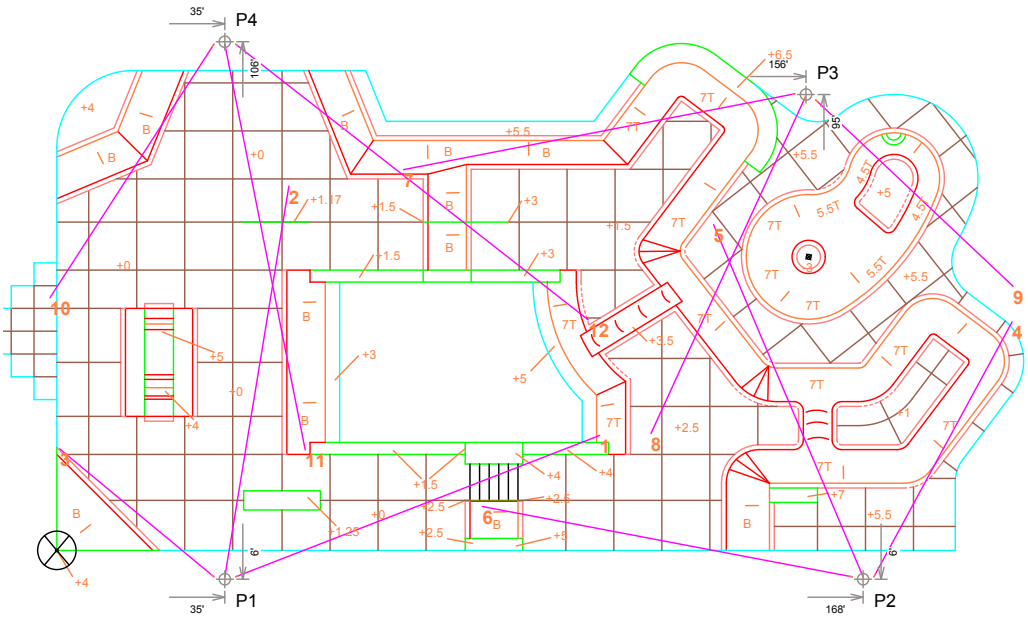
Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume +/- 3% nominal voltage at line side of the ballast and structures located within 3 feet (1m) of design locations.

ENGINEERED DESIGN

By: **D.Alexander**
File # / Date: 172334A 07-Jan-15

ILLUMINATION SUMMARY



SCALE IN FEET 1 : 30

0' 30' 60'

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

MY PROJECT

Name: Milpitas Sports Center
Location: Milpitas, CA

EQUIPMENT LAYOUT

INCLUDES:
· Skate Park

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume +/- 3% nominal voltage at line side of the ballast and structures located within 3 feet (1m) of design locations.

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires		
QTY	LOCATION	CLASS	GRADE ELEVATION	MOUNTING HEIGHT	LAMP TYPE	QTY / POLE
4	P1-P4	LSS50AB	-	50'	1500W MZ	3
4	TOTALS					12

SINGLE LUMINAIRE AMPERAGE DRAW CHART

Ballast Specifications (.90 min power factor)	Line Amperage Per Luminaire (max draw)						
Single Phase Voltage	208 (60)	220 (60)	240 (60)	277 (60)	347 (60)	380 (60)	480 (60)
1500 watt MZ	8.6	8.3	7.5	6.5	5.1	4.7	3.7

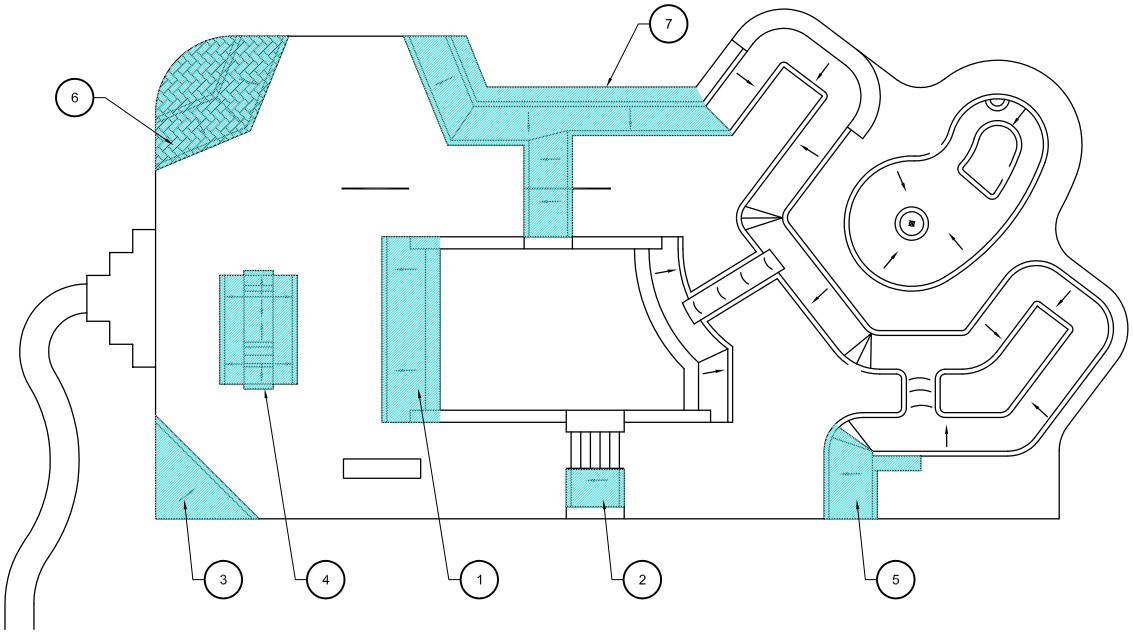
ENGINEERED DESIGN

By: D.Alexander
File # / Date: 172334A 07-Jan-15

EQUIPMENT LAYOUT

Feasibility Skate Park Costing

This Feasibility study has included a preliminary cost estimate for the skate park. This will show the proposed features, cast in place concrete, and other material take offs with associated unit pricing and quantity estimates. The preliminary cost for this 20,000 SF skate park is approximately $1 million using current 2015 pricing.



CAST IN PLACE BANK LEGEND

SYMBOL	SURFACE AREA
1	601 SF
2	121 SF
TOTAL	722 SF

SHOTCRETE BANK LEGEND

SYMBOL	SURFACE AREA
3	299 SF
4	484 SF
5	275 SF

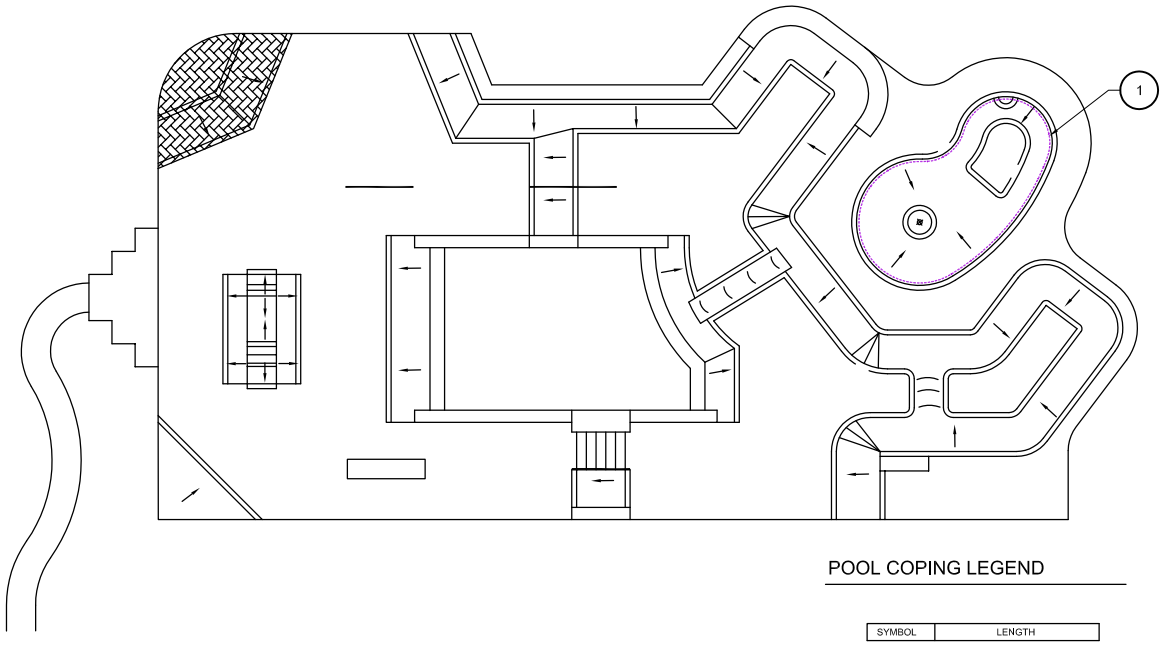
SYMBOL	SURFACE AREA
6	635 SF
7	971 SF
TOTAL	2,664 SF

SKATE PARK - CAST IN PLACE / SHOTCRETE BANKS

MILPITAS SKATE PARK
MILPITAS, CA

141 Portland St.
Boston, MA 02114
Tel. 617.523.8103
Fax. 617.523.4333
www.stantec.com

Stantec



POOL COPING LEGEND

SYMBOL	LENGTH
1	120 LF
TOTAL LENGTH	120 LF

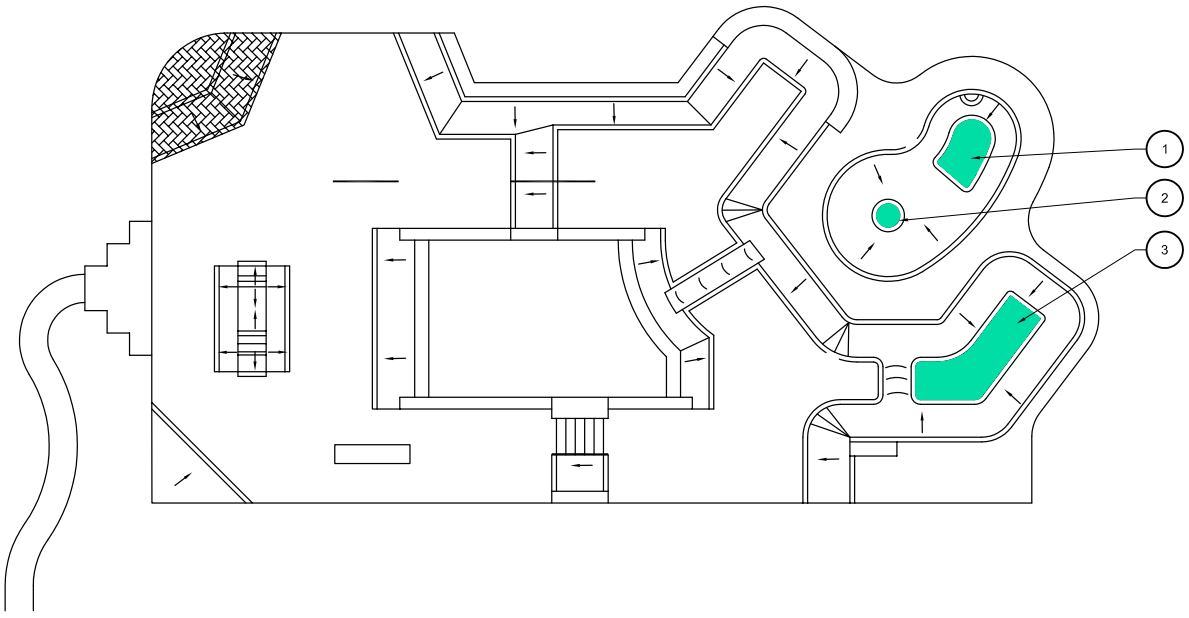
SKATE PARK - POOL COPING

MILPITAS SKATE PARK
MILPITAS, CA

141 Portland St.
Boston, MA 02114
Tel. 617.523.8103
Fax. 617.523.4333
www.stantec.com

Stantec

Feasibility Costing



FLATBOTTOM LEGEND

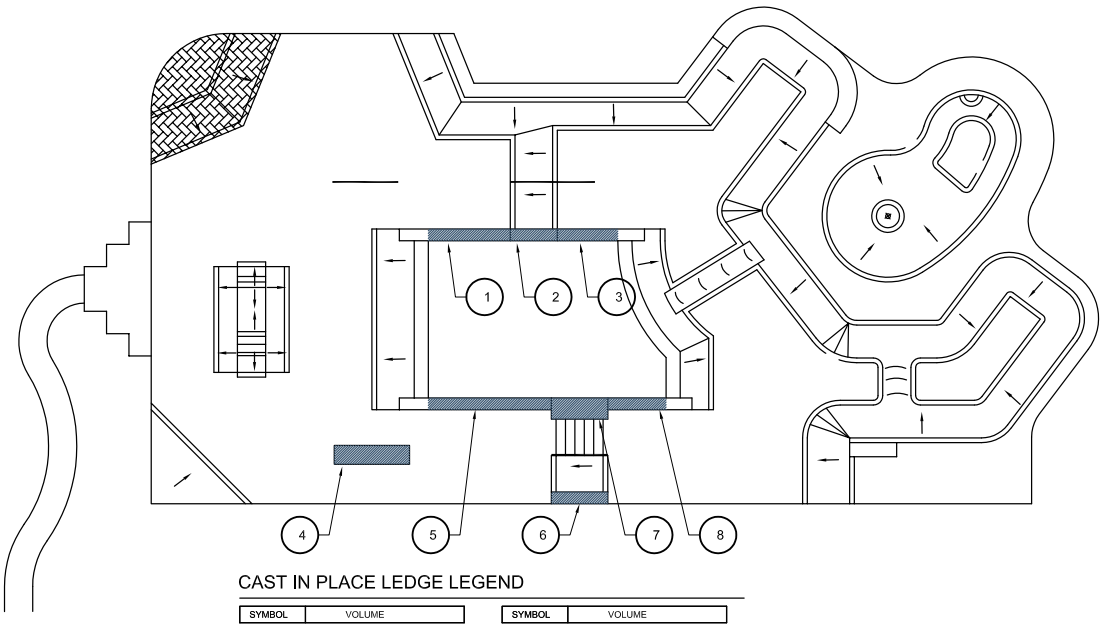
SYMBOL	SURFACE AREA
1	97 SF
2	19 SF
3	252 SF
TOTAL	368 SF

SKATE PARK - FLATBOTTOM

MILPITAS SKATE PARK
MILPITAS, CA

141 Portland St.
Boston, MA 02114
Tel. 617.523.6103
Fax. 617.523.4333
www.stantec.com

Stantec



CAST IN PLACE LEDGE LEGEND

SYMBOL	VOLUME
1	66 CF
2	38 CF
3	48 CF
4	80 CF
5	99 CF
6	75 CF

SYMBOL	VOLUME
7	81 CF
8	47 CF
TOTAL	534 CF

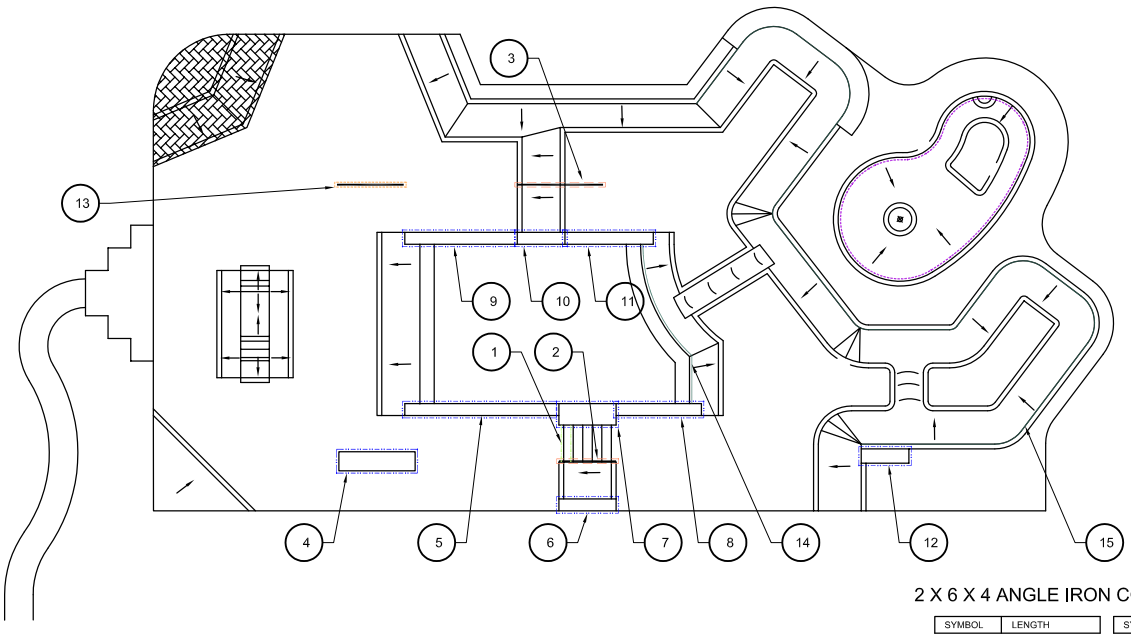
SKATE PARK - CAST IN PLACE LEDGE

MILPITAS SKATE PARK
MILPITAS, CA

141 Portland St.
Boston, MA 02114
Tel. 617.523.8103
Fax. 617.523.4333
www.stantec.com

Stantec

Feasibility Costing



METAL EDGING / COPING LEGEND

2 X 6 X 2 ANGLE IRON COPING

SYMBOL	LENGTH
1	16 LF
TOTAL LENGTH	16 LF

2x6 FREE STANDING RAIL

SYMBOL	LENGTH
2	28 LF
3	40 LF
TOTAL LENGTH	68 LF

2" ROUND FREE STANDING RAIL

SYMBOL	LENGTH
13	32 LF
TOTAL LENGTH	32 LF

2-INCH ROUND STEEL PIPE COPING

SYMBOL	LENGTH
14	36 LF
15	231 LF
TOTAL LENGTH	267 LF

2 X 6 X 4 ANGLE IRON COPING

SYMBOL	LENGTH
4	44 LF
5	72 LF
6	33 LF
7	37 LF
8	45 LF
9	54 LF

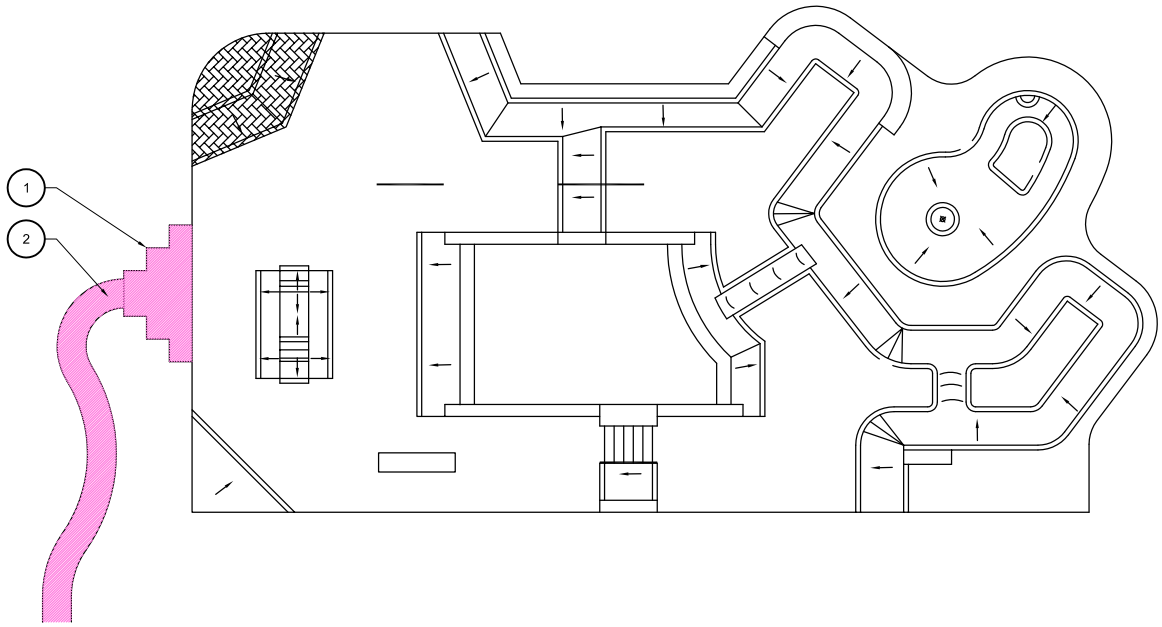
SYMBOL	LENGTH
10	29 LF
11	46 LF
12	30 LF
TOTAL LENGTH	390 LF

SKATE PARK - METAL EDGING / COPING

MILPITAS SKATE PARK
MILPITAS, CA

141 Portland St.
Boston, MA 02114
Tel. 617.523.8103
Fax. 617.523.4333
www.stantec.com

Stantec



CONCRETE PAVING

SYMBOL	SURFACE AREA
1	271 SF
2	468 SF
TOTAL	739 SF

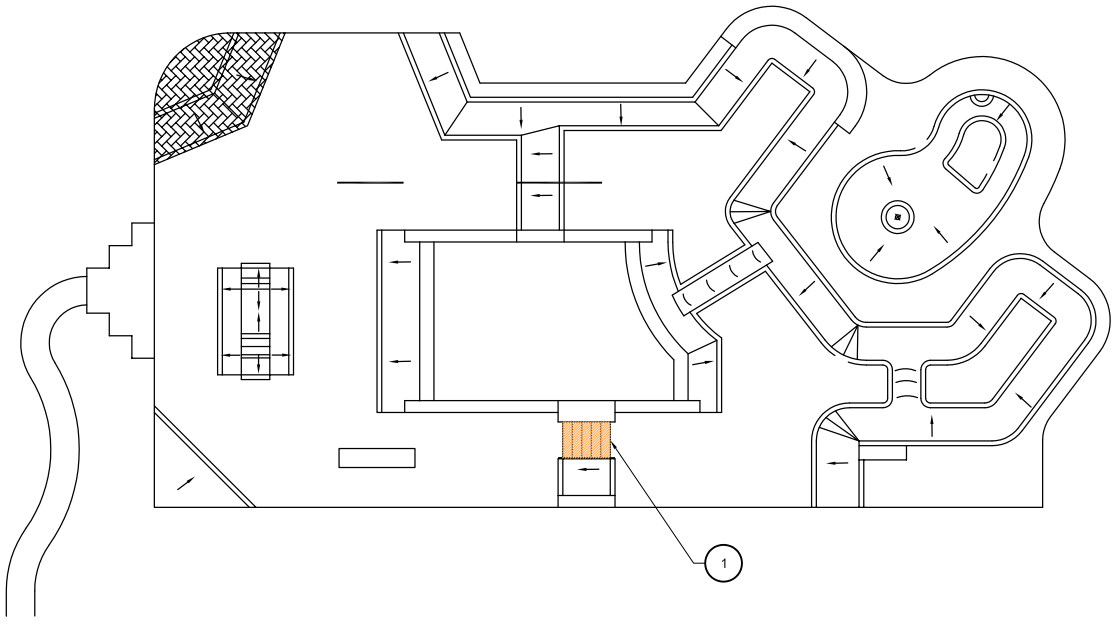
SKATE PARK - SEATWALLS

MILPITAS SKATE PARK
MILPITAS, CA

141 Portland St.
Boston, MA 02114
Tel. 617.523.8103
Fax. 617.523.4333
www.stantec.com

Stantec

Feasibility Costing



STAIRS LEGEND

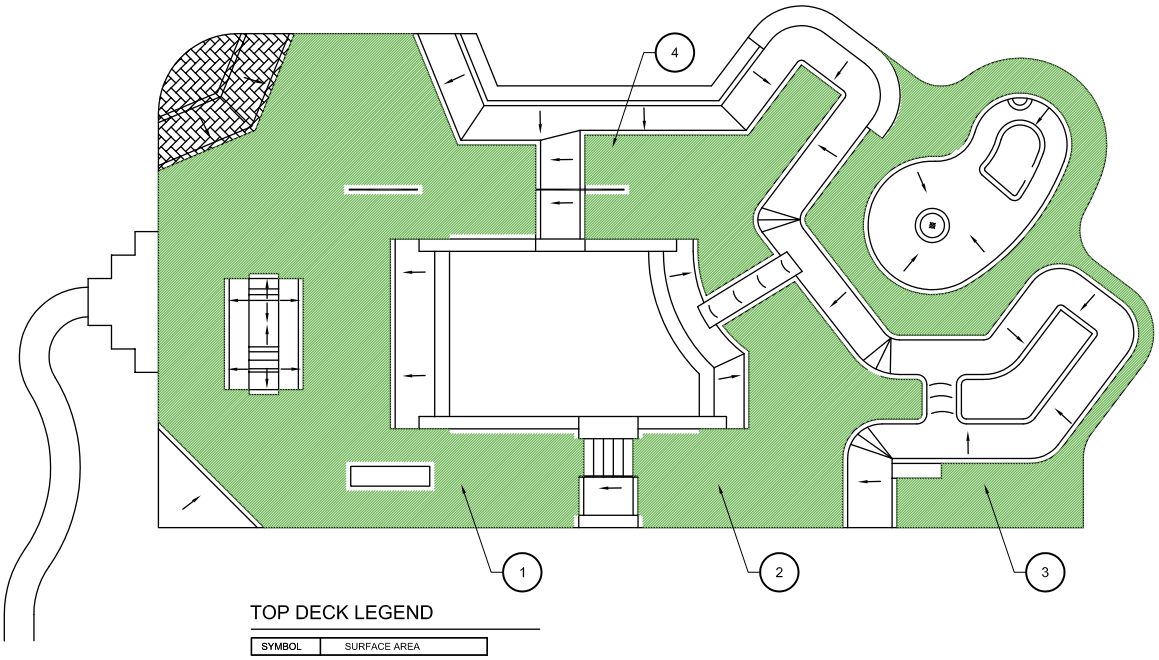
SYMBOL	SURFACE AREA
1	76 SF
TOTAL	76 SF

SKATE PARK - STAIRS

MILPITAS SKATE PARK
MILPITAS, CA

141 Portland St.
Boston, MA 02114
Tel. 617.523.8103
Fax. 617.523.4333
www.stantec.com

Stantec



TOP DECK LEGEND

SYMBOL	SURFACE AREA
1	4895 SF
2	1489 SF
3	1902 SF
4	1037 SF
TOTAL	9,323 SF

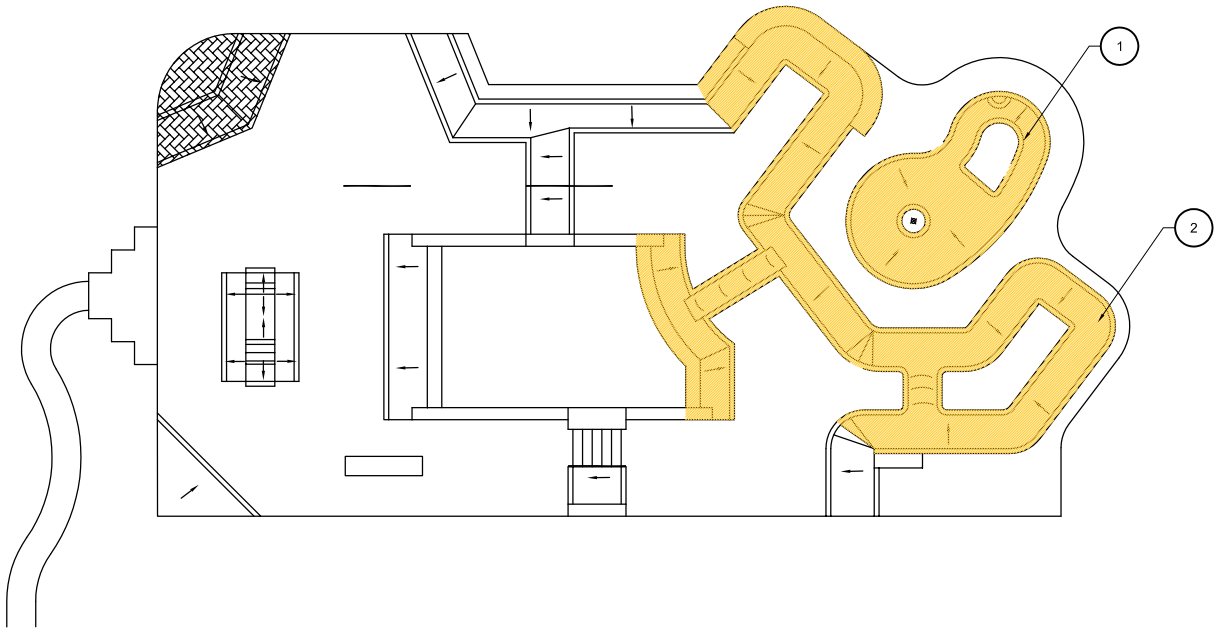
SKATE PARK - TOP DECK

MILPITAS SKATE PARK
MILPITAS, CA

141 Portland St.
Boston, MA 02114
Tel. 617.523.8103
Fax. 617.523.4333
www.stantec.com

Stantec

Feasibility Costing



SHOTCRETE TRANSITION LEGEND

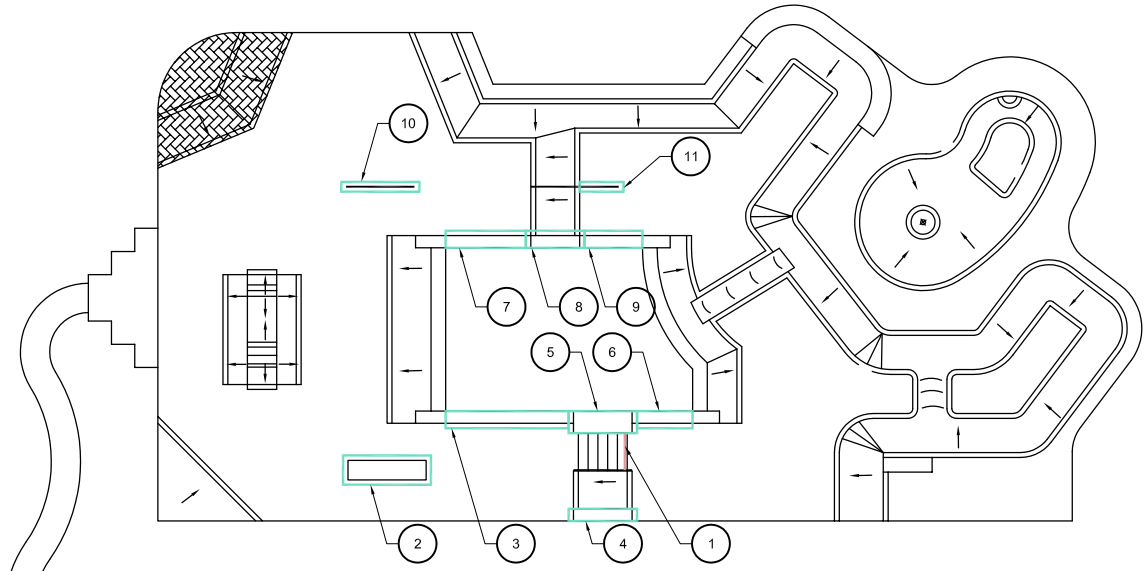
SYMBOL	SURFACE AREA
1	1434 SF
2	4175 SF
TOTAL	5,609 SF

SKATE PARK - TRANSITION

MILPITAS SKATE PARK
MILPITAS, CA

141 Portland St.
Boston, MA 02114
Tel. 617.523.8103
Fax. 617.523.4333
www.stantec.com

Stantec



TURNDOWN WALL LEGEND

SYMBOL	LENGTH
1	8 LF
TOTAL	8 LF

THICKENED DECK LEGEND

SYMBOL	SURFACE AREA
2	108 SF
3	89 SF
4	35 SF
5	63 SF
6	40 SF

SYMBOL	LENGTH
7	58 SF
8	42 SF
9	42 SF
10	32 SF
11	18 SF
TOTAL	527 SF

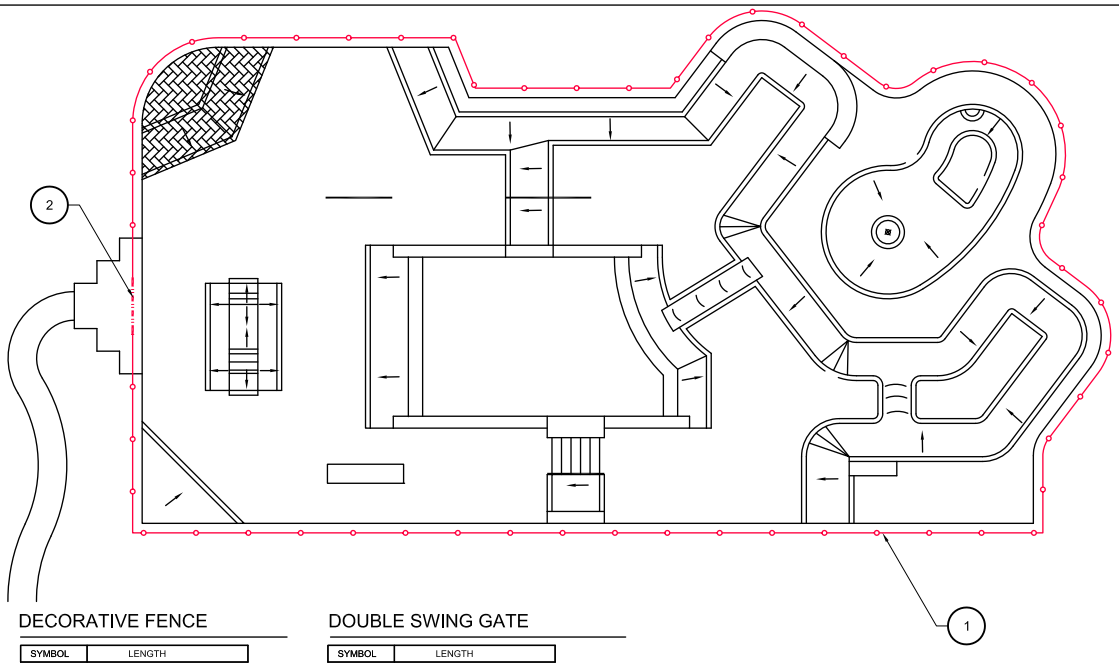
SKATE PARK - TURNDOWN WALL / THICKENED EDGE

MILPITAS SKATE PARK
MILPITAS, CA

141 Portland St.
Boston, MA 02114
Tel. 617.523.8103
Fax. 617.523.4333
www.stantec.com

Stantec

Feasibility Costing



DECORATIVE FENCE

SYMBOL	LENGTH
1	606 LF
TOTAL	606 LF

DOUBLE SWING GATE

SYMBOL	LENGTH
2	12 LF

SKATE PARK - FENCING

MILPITAS SKATE PARK
MILPITAS, CA

141 Portland St.
Boston, MA 02114
Tel. 617.523.8103
Fax. 617.523.4333
www.stantec.com

Stantec

Milpitas Skate Park

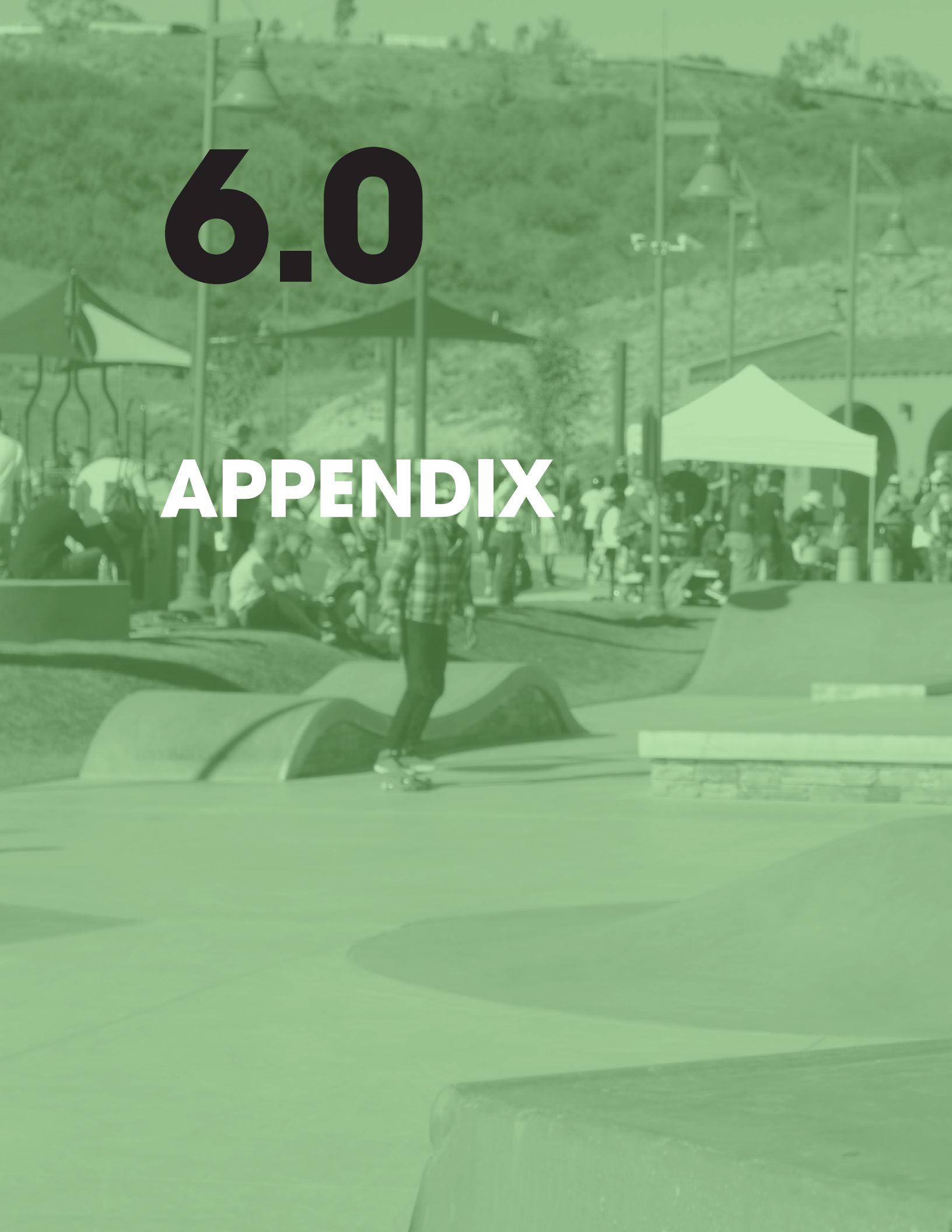
Milpitas, CA
Conceptual Cost Estimate
Date:2.23.2015

ITEM NO.	DESCRIPTION	APPROX. QUANTITY AND UNIT	UNIT PRICE	TOTAL AMOUNT
00000 – General				
1	25% Mobilization	1	$ 155,907.25	**$ 155,907.25**
02220 – Demolition				
2	REMOVAL OF LANDSCAPE AND IRRIGATION	20,000 sf	$ 1.00	**$ 20,000.00**
02300 – Earthwork				
3	Import-Fill Material	250 cy	$ 35.00	**$ 8,750.00**
5	Flat work grading	10,000 sf	$ 2.00	**$ 20,000.00**
6	Bowl grading	6,000 sf	$ 4.00	**$ 24,000.00**
02440 – Entry Sign				
7	Metal Entry / Rules Sign with Tubular Steel Post	1 ea	$ 2,500.00	**$ 2,500.00**
02700 – Storm Drainage				
8	6" [15.24cm] Zurn 415B Floor Drain Catch Basins / Deck Drains	2 ea	$ 350.00	**$ 700.00**
9	4" PVC Lines	500 lf	$ 15.00	**$ 7,500.00**
10	6" PVC Lines	100 lf	$ 20.00	**$ 2,000.00**
03300 – Cast-In-Place Concrete				
12	5" Flat Top Deck - Rebar Reinf. Conc. Over Aggregate Base	9,323 sf	$ 10.00	**$ 93,230.00**
13	6" Flatbottom - Rebar Reinf. Conc. Over Aggregate Base	368 sf	$ 12.00	**$ 4,416.00**
14	6" Banks	722 sf	$ 20.00	**$ 14,440.00**
15	Ledges / Boxes / Manual Pads / Jersey Barriers- BASES	534 cf	$ 75.00	**$ 40,050.00**
17	Thickened Edge	527 sf	$ 20.00	**$ 10,540.00**
18	Stairs - Rebar Reinf. Conc. Over Aggregate Base	76 sf	$ 75.00	**$ 5,700.00**
19	Turndown Wall (+/- 16" High)	8 lf	$ 80.00	**$ 640.00**

20	Retaining Wall (+/- 24" High)	140 lf	$ 100.00	**$ 14,000.00**
03300 – Shotcrete				
22	6" [15.24cm] Bowl Transitions	5,609 sf	$ 28.00	**$ 157,052.00**
23	6" [15.24cm] Banks	2,664 sf	$ 24.00	**$ 63,936.00**
03300 – Precast Concrete				
24	Pool Coping and Tile	120 lf	$ 100.00	**$ 12,000.00**
05500 – Metal Fabrications (Coping)				
25	2" Round coping	267 lf	$ 75.00	**$ 20,025.00**
26	2" x 6" x 4" Angle iron-galvanized	390 lf	$ 75.00	**$ 29,250.00**
25	2" x 6" x 2" Angle iron-galvanized	16 lf	$ 75.00	**$ 1,200.00**
05500 – Metal Fabrications (Free Standing Rails)				
26	Rectangular Steel Rail	68 lf	$ 100.00	**$ 6,800.00**
27	2.5" [6.35cm] Round Steel Rail	32 lf	$ 100.00	**$ 3,200.00**
05700 – Ornamental Metals				
28	6' High TS Fence	750 lf	$ 61.00	**$ 45,750.00**
29	TS Double Swing Gate	10 lf	$ 125.00	**$ 1,250.00**
Misc. Items				
30	Concrete walkway and entry	245 cf	$ 60.00	**$ 14,700.00**
Contigency				
31	25% Construction Contingency	1	$ 155,907.25	**$ 155,907.25**
BASE BID COST ESTIMATE				**$ 935,443.50**

SKATE PARK LIGHTING				
1	Lighting system (foundation, poles, Control-Link System)- includes installation and underground wiring	1 LS	$ 65,000.00	**$ 65,000.00**

TOTAL PROJECT COST	**$ 1,000,443.50**



6.0

APPENDIX

Sports Field Considerations

Stantec was also asked to look at the possibility of reconfiguring the existing sport fields at the Sports Center location to allow for more activity in the space that might include a football field, youth soccer fields, and competition soccer field while maintaining pedestrian path circulation and existing bleacher seating and other site amenities already in place.

Working with our Sport Group team we came up with a schematic that allows for the added sport field activities and integrates them with the existing Sports Center site and the proposed skate park (shown on the next page). We also have maintained ingress and egress to and from the site at all of the access points maintain the existing fencing and adding additional proposed fencing, gates, and netting where needed around the individual Sport Fields for extra control and safety.

This schematic further emphasizes the potential this site has to include a skate park and to further improve the other sport activities already taking place at the Milpitas Sports Center.

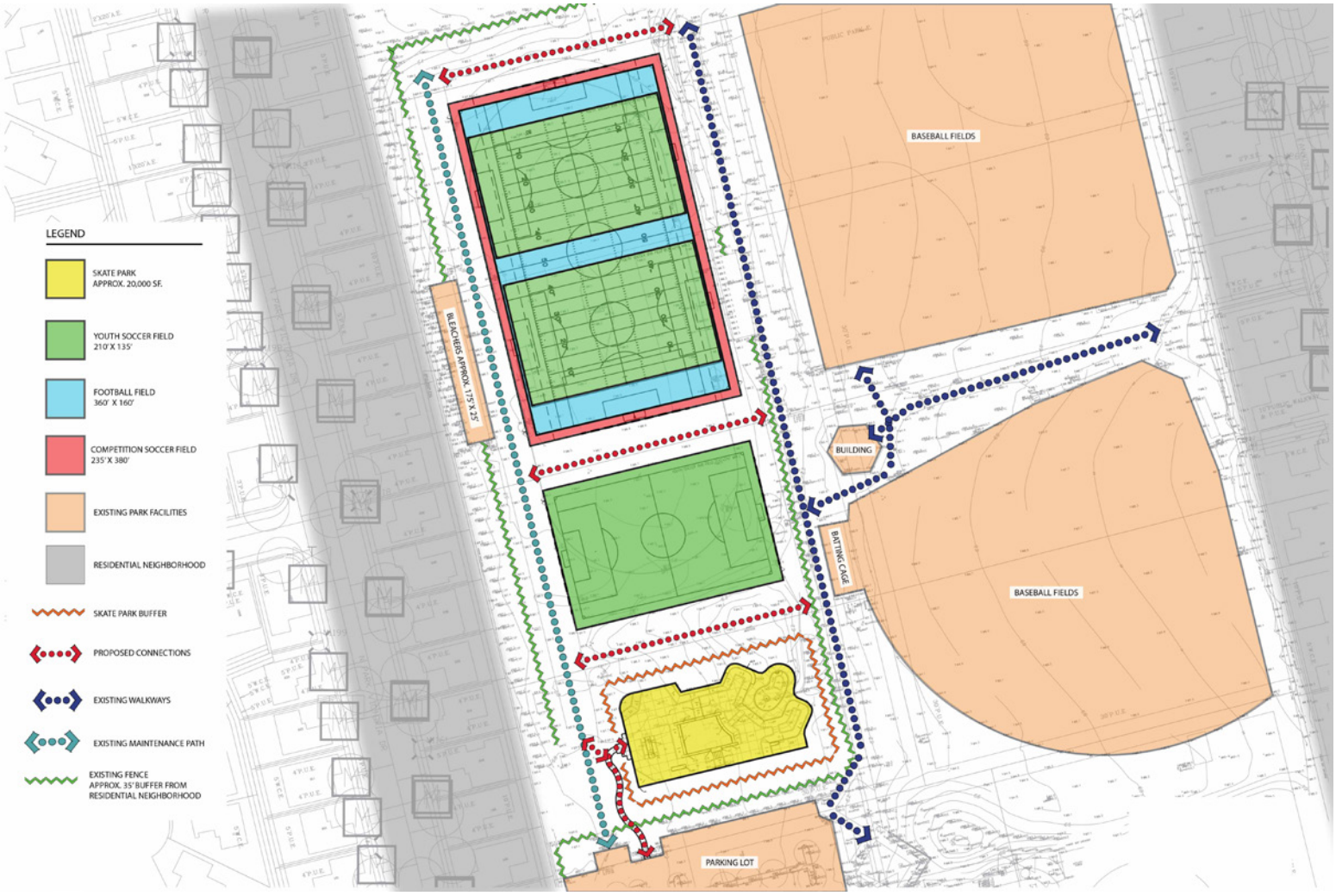
Sports Field Preliminary Cost Estimate

The Competition Field in the north will cost approximately $1.3 million. This cost will include the additional fencing, gate, and 30’ high protective netting.

The Youth Soccer Field in the north will cost approximately $580,000. This cost will include the additional fencing, gate, and 20’ high protective netting.


PROPOSED SOCCER FIELD
(135' X 210')
30' HIGH BALL NET
30' HIGH BALL NET
SINGLE GATE
4' PERIMETER CHAIN LINK FENCE
BACKYARD BOWL
BANK/ HANDRAIL
HALFPIPE/
EXTENSION
ELEVATED TOP DECK
BANKED HIP
FLAT BAR
BANKED HIP/ STAMPED BRICK
ELEVATED TOP DECK
"M" SKATEABLE ART FEATURE
HALFPIPE/ WATERFALL/ TRANSITION
SKATE PARK ENTRANCE
BANK/ SUB BOX
CORNER BANK
TRANSITION/ ROLLER FEATURE
SKATE PARK WALKWAY
BANK/ STAIRS/ HANDRAIL/ GRIND LEDGES
BIO- DRAINAGE/ SKATE PARK PLANTER
MANUAL PAD/ GRIND LEDGE
EXISTING PARKING LOT


30' HIGH BALL NET
SINGLE GATE
SINGLE GATE
PROPOSED FOOTBALL FIELD
(180' X 380')
PROPOSED SOCCER FIELDS- 2
(135' X 210')
4' PERIMETER CHAIN LINK FENCE
4' PERIMETER CHAIN LINK FENCE
SINGLE GATE
DOUBLE GATE
4' PERIMETER CHAIN LINK FENCE
30' HIGH BALL NET
DOUBLE GATE
PROPOSED SOCCER FIELD
(135' X 210')
30' HIGH BALL NET
30' HIGH BALL NET
SINGLE GATE
PROPOSED SKATE PARK


LEGEND
SKATE PARK
APPROX. 20,000 SF.
YOUTH SOCCER FIELD
210' X 135'
FOOTBALL FIELD
360' X 160'
COMPETITION SOCCER FIELD
235' X 380'
EXISTING PARK FACILITIES
RESIDENTIAL NEIGHBORHOOD
SKATE PARK BUFFER
PROPOSED CONNECTIONS
EXISTING WALKWAYS
EXISTING MAINTENANCE PATH
EXISTING FENCE
APPROX. 35' BUFFER FROM
RESIDENTIAL NEIGHBORHOOD
BLEACHERS APPROX. 175' X 25'
BASEBALL FIELDS
BUILDING
BATTING CAGE
BASEBALL FIELDS
PARKING LOT

Funding Opportunities

Funding a successful skate park facility requires the services of a carefully selected team or corporation. We have compiled the information herein to aid you in your search. One idea that many people have found useful is searching online for funds and grants. KaBoom (www. kaboom.org) and Skate park (www. skatepark.org) contain valid fund-raising suggestions.

Included is a list of some of the companies that may also be interested in providing funding. Moreover, there are many grants available that might be state or regionally specific. Searches should therefore be conducted on both a national and regional level. Other than grants, we suggest you explore sources for inkind donations as well – many companies will provide services or materials rather than cash – but it all works!

There are a number of ways to obtain funding for the Milpitas Skate Park. Companies, individuals and organizations who are active not only in the skateboarding community, but also those that support the City of Milpitas and its efforts will be given exposure to hundreds of park goers every day, in addition to the other people that will visit the it each year for activities and events.

Companies, individuals and organizations can gain the following benefits and recognition when they support the park:

- Company/Individual Name/Logo on designated areas of the project
- Pre-construction sign at park location
- Company/Individual Name/Logo permanently featured displayed on main entrance sign off the nearby street and park entrance sign
- Company/Individual Name/Logo on all park marketing and
- informational materials, including:

    — Milpitas Special Services Brochures

    — Press Releases

    — City of Milpitas Skate Park website

    — The Official Skate Park T-shirt

    — 4' x 8' Company/Individual banner displayed at all events

    — 2' x 2' sign displayed at the Milpitas Skate Park

- Major community events
- Other opportunities for recognition are negotiable
- Become a part of history and a recognized community partner

Websites

- American Eagle (http://planner.eskal8.org)
- Ben & Jerry's (www.benjerry.com/foundation/index.html)
- Bikes Belong Coalition (617/426-9222)
- Brita Water (http://www.brita.com/227i.html)
- Coca-Cola(http://www2.coca-cola.com/citizenshipsponsorships.html)
- Community Development Block Grant- (CDBG) (www.hud.govprogdesc/cdbgent.cfm)
- Cybergrants (www.cybergrants.com)
- Enright Patterson (tpatters@wfubmc.edu)
- The Foundation (info@skateplaza.com)
- Home Depot (www.homedepotfoundation.org)
- The Jenesis Group (817/581-1999; www.jenesis.org)
- Motorola (www.motorola.com/content)
- Pepsi-Cola (www.ymca.net/kfc/pepsi.htm)
- Robert Wood Johnson Foundation (Substance Abuse Grant –336/716-5170)
- Ronald McDonald House Charities (Social Services Division -630/623-7048)
- Snapple (Snapple.com)
- SoBe (www.sobebev.com/about/contact.shtml)
- Sprint (www.sprint.com/sponsorships/)
- Target (Target.com)
- Tony Hawk Skate Park Foundation (www.tonyhawkfoundation.org)
- Tropicana (www.ymca.net/kfc/pepsi.htm)
- The Wilkinson Group (Dave Wilkinson 415/217-3010)
- Nike (www.nike.com)
- Sole Technologies (www.soletechnology.com)
- Vans (www.vans.com)
- The Annenberg Foundation (www.annenbergfoundation.org)
- Mountain Dew (www.mountaindew.com/www.deweezy.tumbler.com)
- Community Development Block Grant
- National Park Service Land, Water and Conservation
- Converse Shoes (www.converse.com)

Sample Operations and Maintenance Manual

EXAMPLE OPERATIONS & MAINTENANCE MANUAL

Chandler • Arizona
Where Values Make The Difference

TABLE OF CONTENTS

ROUTINE MAINTENANCE AND INSPECTION OUTLINE

OVERVIEW

It will be the responsibility of Parks and Recreation Maintenance Staff to perform daily, weekly and monthly maintenance and inspection logs for the Chandler Skate Park. Routine Maintenance and inspections should take place preferably in the mornings before opening the park to the public at 9:30a.m.

PARK HOURS

The skate park hours of operation are from 9:30a.m.-10:30p.m. Monday-Sunday unless shutdown for maintenance operations or special events.

OPENING AND CLOSING THE PARK

The entry gate shall remain closed and locked from 10:30p.m.-9:30a.m. and during all maintenance and inspection times. Make sure all users have exited the skate park prior to closure at 10:30p.m. Inspect all bowls and ledges to make sure no one is still skating inside the park prior to locking up.

GENERAL INSPECTION-SURFACES

1. Check all surfaces inside the park and remove major debris, trash, rocks, dirt build-up and any foreign objects.
2. Apply an initial cleaning of the park with power blowers removing dust, small rocks, trash and debris not removed from step 1.
3. Check surfaces for possible slick or sticky surfaces. I.E. spilled soft drinks, irrigation overspray, graffiti, etc. Should surfaces need a cleaner, refer to the repair and maintenance product list.
4. Spray the park down with water when excessive dust collection is present on the surfaces and inside the joints when the amount is too excessive for the power blowers.
5. Check all sealants for vertical separation from joints. Refer to the repair and maintenance product list for replacement type.

GENERAL INSPECTION-JOINTING

Saw-Cut Joints- Inspect all saw cut joints for small rocks or debris that might have become trapped within the joint creating sharp object imbedded in the finish work. Look for chips that might occur on either side of the joint greater than ¼" wide by ¼" deep. Should large chips of concrete be discovered, refer to the repair and maintenance product list for appropriate joint filler. Cold Joints-Inspect tooled surfaces for possible separation greater than ¼" which would then require a joint filler. Check tooled edge for large chips greater than ¼" wide by ¼" deep. Should large chips of concrete be discovered, refer to the repair and maintenance product list for appropriate joint filler.

Expansion Joints- Inspect all expansion joints for loose mastic sealant that can stop the wheels of a skateboard and the possible lifting of the fiberous expansion felt material causing the wheels to stop upon contact. Should loose or missing mastic be discovered, refer to the repair and maintenance product list for appropriate sealant.

GENERAL INSPECTION-METAL FABRICATIONS

Stainless Steel Edging — Inspect all mitered corners for possible break in original weld. Re-weld and grind smooth if cracking greater than 1/8" is present. Check all corners and edges for lifting from concrete surface causing a gap greater than 1/8". File any burrs or irregularities in the finish work to avoid a potential cutting edge.

Painted Black Iron Pipe (square & Round) — Inspect all pipe surfaces for any burrs or irregularities in the finish work to avoid a potential cutting edge. Inspect all welded end caps for cracking and separation from main pipe body. Re-weld any cracks present and grind smoothly.

GENERAL INSPECTION-DRAINS

Inspect all drain lids for vertical separation form drainage collar/ body. Make sure all drain lids are fastened securely with no loose screws. Should screws become loose apply "lock-tight" to screws to avoid any future loosing by wheel vibration. Inspect drains routinely for excessive debris in the strainers causing backup of water during monsoon season.

GENERAL INSPECTION-FENCING

Inspect the perimeter fencing for possible bending of the pickets that might have occurred as a means of unauthorized access. Check that the main entrance gate is rolling smoothly and on its track. Touch-up any rusting that might have occurred from irrigation water with primer and match paint.

GENERAL INSPECTION-DRINKING FOUNTAIN

Remove any sand, rocks or debris that might have been placed in the drinking fountain basin causing back-up and overflow of water onto the skate park surface.

END OF ROUTINE MAINTENANCE

Routine Inspection & Maintenance Log

Insert Map

Time:
Date:
Weather:
Inspected by:
Department:

City of Chandler Skate Park
Snedigar Sportsplex
4500 S. Basha Road

Insert
City
Logo

Fence

Zone	3	Comments	Action Y	Action N
F1				
F2				
F3				

Joints & Sealants

Zone	3	Comments	Action Y	Action N
J1				
J2				
J3				

Drains

Zone	3	Comments	Action Y	Action N
D1				
D2				
D3				
D4				
D5				
D6				

Review Checklist

Metal Fabrications

Zone	3	Comments	Action Y	Action N
M1				
M2				
M3				
M4				
M5				
M6				
M7				
M8				
M9				
M10				
M11				
M12				
M13				
M14				
M15				
M16				
M17				
M18				
M19				
M20				
M21				
M22				
M23				
M24				

Shotcrete Walls

Zone	3	Comments	Action Y	Action N
S1				
S2				
S3				

Top Decks

Zone	3	Comments	Action Y	Action N
T1				
T2				
T3				

Bottom

Zone	3	Comments	Action Y	Action N
B1				
B2				
B3				
B4				
B5				
B6				

Sheet _____ of _____

City of Chandler Skate Park *Snedigar Sportsplex* *4500 S. Basha Road*	**Time:**
	Date:
	Weather:
	Inspected by:
	Department:

Summary of Inspection

Zone	

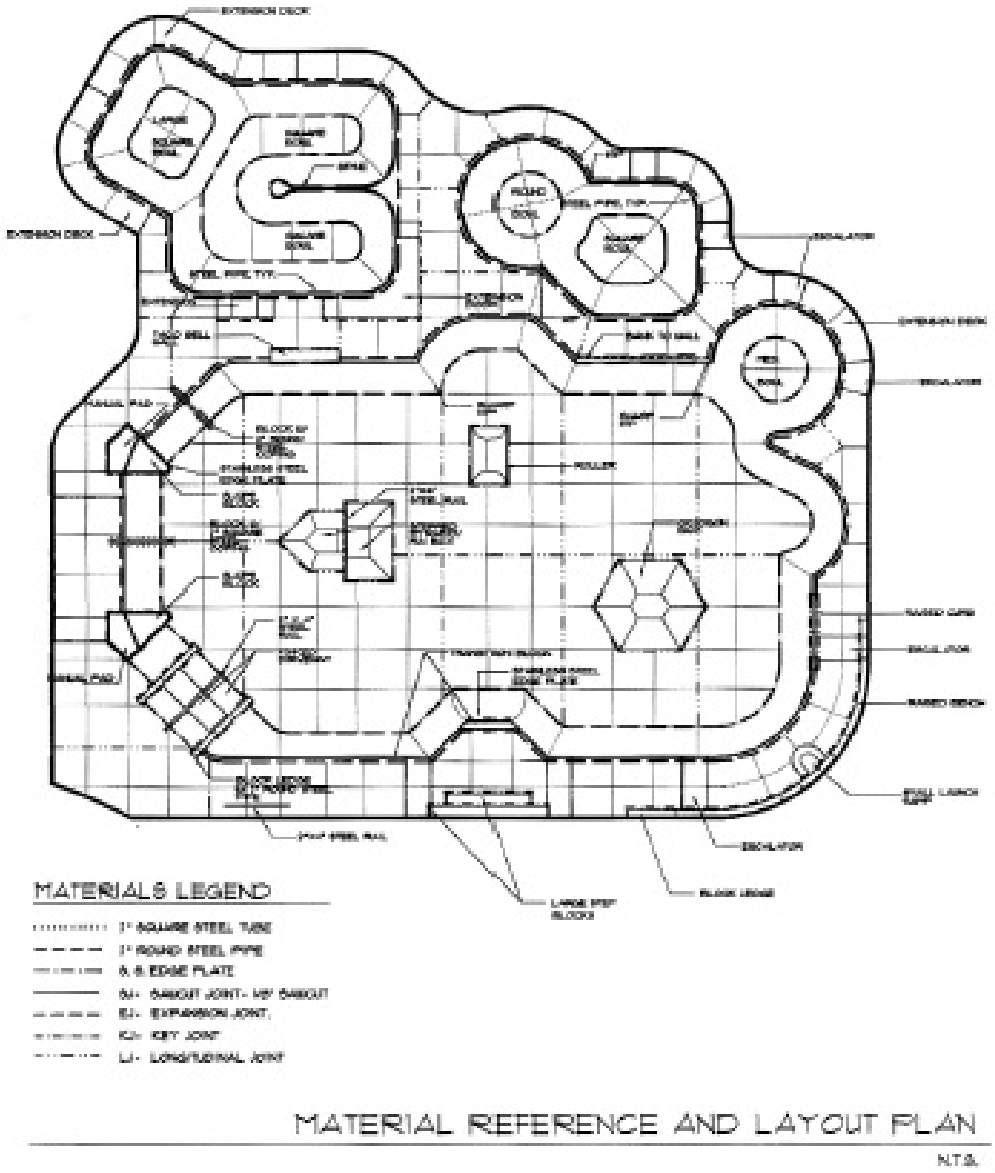
Action Plan

CC:

Sheet _____ of _____

SKATE PARK LAYOUT AND MATERIAL REFERENCE DIAGRAM

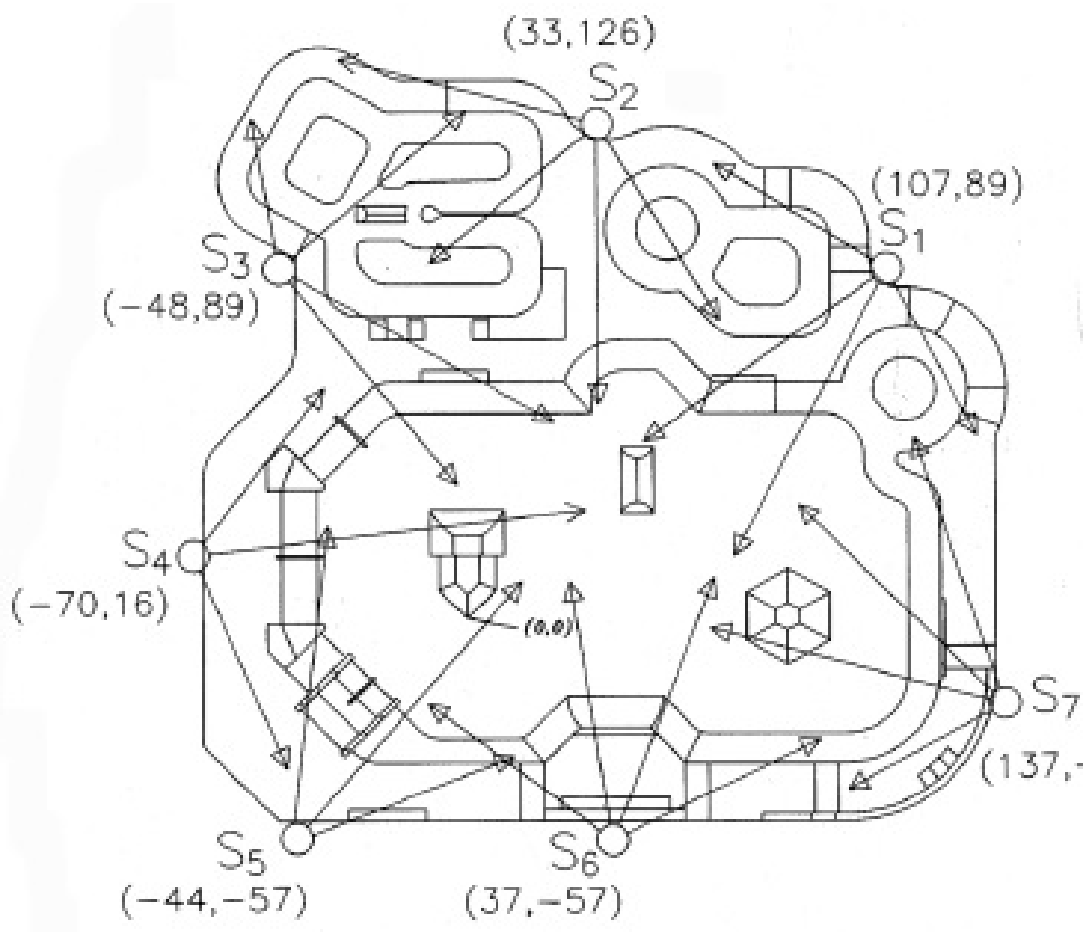
The following material reference diagram should be used in conjunction with the Maintenance Logs for appropriate skate park terminology when commenting on any features condition.



- Refer to As-Built Drawings for specifics.

SKATE PARK LIGHTING DIAGRAM

The following lighting diagram should be used as a tool to identify the light pole locations, number of lights and most importantly the intended aiming of the light source. Make sure all lights are on during night skating with no bulbs out creating dark spots, or excessive shadows in the park.



SKATE PARK LIGHTING LOCATIONS AND AIMING DIAGRAM

N.T.S.

- Refer to As-Built Drawings for specifics.

CITY OF CHANDLER SKATE PARK RULES & REGULATIONS

1. THE SKATE PARK IS A SKATE AT YOUR OWN RISK FACILITY. THIS IS A NON- SUPERVISED FACILITY DESIGNED FOR SKATEBOARDING (34" maximum length) AND IN-LINE SKATING (no speed skates) ONLY.
2. NO BICYCLES, MOTORIZED VEHICLES, ROLLERSKATES OR OTHER WHEELED DEVICES WILL BE ALLOWED WITHIN THE SKATE PARK.
3. SKATEBOARDING AND IN-LINE SKATING IS A "HIGH RISK ACTIVITY". WEARING A HELMET, KNEE PADS, ELBOW PADS AND WRIST GUARDS IS STRONGLY RECOMMENDED AND SHOULD BE USED AT ALL TIMES. KNOW YOUR ABILITY AND SKATE ACCORDINGLY.
4. INSPECT THE SURFACES BEFORE YOU RIDE THEM. REMOVE ALL TRASH, DEBRIS AND OBJECTS THAT MAY PREVENT A SMOOTH, SAFE RIDE. REPORT ANY DAMAGE TO SKATE PARK SURFACES TO THE CITY OF CHANDLER COMMUNITY SERVICES DEPARTMENT IMMEDIATELY AT: (480)782-2727.
5. NO SKATING WHEN WET, RAINING OR DURING ROUTINE SKATE PARK MAINTENANCE PERIODS.
6. THE PARK WILL BE OPEN FROM 9 A.M. TO 10:30 P.M. CITY OF CHANDLER "NO TRESPASSING" ORDINANCE WILL BE ENFORCED AFTER THE PARK IS CLOSED.
7. GRAFFITTI IN THE SKATE PARK IS ILLEGAL AND NOT BE TOLLERATED. KEEP THE PARK SURFACES CLEAN AND BEAUTIFUL AS GRAFFITTI WILL CLOSE THE PARK DOWN FOR PAINT REMOVAL.
8. THIS PARK HAS BEEN DESIGNED FOR ALL SKILL LEVELS. BE COURTEOUS TO OTHER PEOPLE USING THE FACILITY AND ALL OTHER PARK PATRONS.

   A PUBLIC PHONE IS AVAILABLE ON THE EAST SIDE OF THE TEEN CENTER. 911 CALLS ARE FREE.

(CHANDLER CITY CODE SECTION 17 A-1 THRU 17 A-4)
THE FOLLOWING ITEMS AND ACTIVITIES ARE PROHIBITED IN PARK AREAS:

- LITTERING
- GLASS CONTAINERS
- OVERNIGHT PARKING AND CAMPING
- VENDORS, EXCEPT BY PERMIT
- AMPLIFIED MUSIC, EXCEPT BY PERMIT
- MOTORIZED VEHICLES.
- COMPETITIVE OR DEMONSTRATION EVENTS, EXCEPT BY PERMIT

FOR ADDITIONAL INFORMATION, PLEASE CALL CITY OF CHANDLER
COMMUNITY SERVICES DEPARTMENT AT: (480) 782-2727

SKATE PARK REPAIR & MAINTENANCE PRODUCT LIST

The following list of repair/ maintenance products have been researched for durability and the intended use on the Chandler Skate Park. Border Products and Visual Pollution Technologies have reviewed the skate park surfaces, jointing types and recommend the following products for the specific uses named herein:

PROBLEM	SOLUTION	PRODUCT
1/4" saw-cut joints and/or tooled joints are chipped greater than 1/4" on either side.	Fill joint with flexible epoxy control joint sealer/ adhesive.	SILKA-Silkadur 51 NS/SL Flexible Epoxy Adhesive
¼" saw-cut joints and/ or tooled joints are retaining water and need joints filled.	Fill joint with flexible epoxy control joint sealer/ adhesive.	SILKA-Silkadur 51 NS/SL Flexible Epoxy Adhesive
Expansion Joint Sealant needs replacement in surface areas where skaters wheels ride over.	Fill joint with flexible epoxy control joint sealer/ adhesive.	SILKA-Silkadur 51 NS/SL Flexible Epoxy Adhesive
Expansion Joint Sealant against vertical skate park surfaces needs replacement.	Fill joint with Polyurethane Elastomeric sealant.	SILKA-Silkaflex-2c, NS/SL
Cracks larger than ¼" appear in skate park flat surfaces.	Fill Cracks with Epoxy Resin.	Contact Border Products for exact product based on crack style and width (see contact info below).
Cracks larger than ¼" appear on shotcrete surface walls.	Fill Cracks with Structural Concrete Patch	Five Star Structural Concrete V/O Vertical/ Overhead Permanent Repair System.
Graffiti present of skate park surfaces.	Apply "Kick" Graffiti remover per manufactures directions. Use smooth brush only to remove after application.	VPT KICK Graffiti Remover

CONTACT BORDER PRODUCTS CORPORATION FOR PRODUCT SPECIFICATION ASSISTANCE, QUESTIONS, SEALANT CONTRACTORS AND PRICING AT:

BORDER PRODUCTS
Attn: Matt Miller
Sales Service Representative
3880 E. Broadway
Phoenix, AZ 85040
(602)437-1900

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